



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 24] नई दिल्ली, शनिवार, जून 16, 2001 (ज्येष्ठ 26, 1923)
No. 24] NEW DELHI, SATURDAY, JUNE 16, 2001 (JYAIKTHA 26, 1923)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्ट्स और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

**THE PATENT OFFICE
PATENTS AND DESIGNS**

Calcutta, the 16th June 2001

**ADDRESS AND JURISDICTION OF THE OFFICES OF
THE PATENT OFFICE**

The Patent Office has its Head Office at Calcutta and Branch Offices at Mumbai, Delhi and Chennai having Territorial Jurisdiction on a Zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
MUMBAI-400 013.

The States of Gujarat,
Maharashtra, Madhya Pradesh and
Goa and the Union
Territories of Daman and
Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE"
Phone No. 482 5092
Fax No. 022 495 0622.

Patent Office Branch,
Unit No. 401 to 405, IIIrd Floor,

Municipal Market Building,
Saraswati Marg, Karol Bagh,
NEW DELHI-110 005.

The States of Haryana, Himachal Pradesh,
Jammu and Kashmir, Punjab, Rajasthan,
Uttar Pradesh and Delhi and the
Union Territory of Chandigarh.

Telegraphic address "PATENTOFIC"
Phone No. 578 2532
Fax No. 011 576 6204.

Patent Office Branch,
Wing 'C' (C-4, A), III Floor,
Rajaji Bhavan, Besant Nagar,
CHENNAI-600 090.

The States of Andhra Pradesh,
Karnataka, Kerala, Tamilnadu and
Pondicherry and the Union
Territories of Laccadive, Minicoy
and Aminidivi Islands.

Telegraphic address "PATENTOFIS"
Phone No. 490 1495
Fax No. 044 490 1492.

Patent Office (Head Office),
 "NIZAM PALACE", 2nd M.S.O. Building,
 5th, 6th & 7th Floors,
 234/4, Acharya Jagadish Bose Road,
 CALCUTTA-700 020.

Rest of India.

Telegraphic address "PATENTS"
 Phone No 247 4401
 Fax No. 033 247 3851.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by The Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office

Fees : The fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated

पेटेंट कार्यालय
 एकस्व तथा अभिकल्प
 कलाकृता, दिनांक 16 जून 2001

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके ग्रान्डेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित हैं :-

पेटेंट कार्यालय शाखा, टोडी इस्टेंट
 तीसरा तल, लोअर परेल (प.),
 मुम्बई - 400 013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश
 तथा गोआ राज्य क्षेत्र एवं संघ
 प्रान्त एवं भूमि तथा दीव एवं
 घासी नगर हवेली।

तार पता - "पेटेंटफिस"
 फोन - 482 5092
 फैक्स - 022 4950 622।

पेटेंट कार्यालय शाखा,
 एकक सं. 401 से 405, 3रा तला,
 नगरपालिका बाजार भवन,
 सरस्वती मार्ग, करोल बाग,
 नई दिल्ली - 110 005।

हरियाणा, हिमाचल प्रदेश, जम्मू
 तथा कश्मीर, पंजाब, राजस्थान,
 उत्तर प्रदेश तथा दिल्ली राज्य
 क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - "पेटेंटेफिक"
 फोन - 578 2532
 फैक्स - 011 576 6204

पेटेंट कार्यालय शाखा,
 विंग "सी" (सी-4, ऐ),
 तीसरा तल, राजाजी भवन,
 बसंत नगर, चेन्नई - 600 090

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
 तथा पांडिचेरी राज्य क्षेत्र एवं संघ
 शासित क्षेत्र, लक्षद्वीप, मिनिकाय तथा
 एमिनिदिवि द्वीप।

तार पता - "पेटेंटेफिस"
 फोन - 490 1495
 फैक्स - 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय),
 निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
 भवन 5, 6 तथा 7वां तला,
 234/4, आचार्य जगदीश बोस मार्ग,
 कलकत्ता - 700 020

भारत का अवशेष क्षेत्र
 तार पता - "पेटेंट्स"
 फोन - 247 4401
 फैक्स - 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक, ड्राफ्ट अथवा बैंक द्वारा की जा सकती है।

**NATIONAL PHASE APPLICATION FOR PATENT UNDER
PCT—CHAPTER I (12.07.2000 TO 31.08.2000)**

National Phase Application No. : IN/PCT/2000/00089/DEL dated 12.7.2000.

Corresponding PCT Application No. : PCT/US99/27456 dated 18.11.99.

Priority Document No. : 09/206.063 U.S.

Priority Document Date : 4.12.98.

Applicant : BAXTER INTERNATIONAL INC.

Title : "PERITONEAL DIALYSIS SOLUTION CONTAINING MODIFIED ICODEXTRINS".

National Phase Application No. : IN/PCT/2000/00090/DEL dated 12.7.2000.

Corresponding PCT Application No. : PCT/US99/02147 dated 1.2.1999.

Priority Document No. : 60/073.445 U.S.A.

Priority Document Date : 2.2.98.

Applicant : SIGNATURE BIOSCIENCE INC.

Title : "METHOD AND APPARATUS FOR DETECTING MOLECULAR BINDING EVENTS".

National Phase Application No. : IN/PCT/2000/00091/DEL dated 13.7.2000.

Corresponding PCT Application No. : PCT/GB99/00044 dated 18.1.1999.

Priority Document No. : 9800814.7 G.B.

Priority Document Date : 16.1.98.

Applicant : FOOD GUARDIAN LIMITED.

Title : "BARRIER MATERIALS AND PRODUCTS PRODUCED THEREWITH".

National Phase Application No. : IN/PCT/2000/00092/DEL dated 14.7.2000.

Corresponding PCT Application No. : PCT/US99/00314 dated 7.1.1999.

Priority Document No. : 09/004.090 U.S.

Priority Document Date : 7.1.98.

Applicant : AMERICAN TECHNOLOGY CORPORATION.

Title : "SONIC EMITTER WITH FOAM STATOR".

National Phase Application No. : IN/PCT/2000/00093/DEL dated 17.7.2000.

Corresponding PCT Application No. : PCT/US99/26001 dated 15.11.1999.

Priority Document No. : 09/192,292 U.S.

Priority Document Date : 16.11.1998.

Applicant : JERVIS B. WEBB INTERNATIONAL COMPANY.

Title : "METHOD AND APPARATUS FOR WARNING INDIVIDUALS OF UNSAFE ZONES".

National Phase Application No. : IN/PCT/2000/00094/DEL dated 17.7.2000.

Corresponding PCT Application No. : PCT/US99/00792 dated 14.1.1999.

Priority Document No. : 09/007.452 U.S.

Priority Document Date : 15.1.1998.

Applicant : FLEXTOR, INC.

Title : "A METAL FOIL DISK FOR HIGH AREAL DENSITY RECORDING IN ENVIRONMENTS OF HIGH MECHANICAL SHOCK".

National Phase Application No. : IN/PCT/2000/00095/DEL dated 18.7.2000.

Corresponding PCT Application No. : PCT/IB99/00173 dated 15.1.1999.

Priority Document No. : 09/013.772 U.S.

Priority Document Date : 16.1.1998.

Applicant : ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL).

Title : "METHOD AND SYSTEM FOR COMBINING VIDEO SEQUENCES WITH SPATIO-TEMPORAL ALIGNMENT"

National Phase Application No. : IN/PCT/2000/00096/DEL dated 18.7.2000.

Corresponding PCT Application No. : PCT/IB98/02123 dated 29.12.1998.

Priority Document No. : 97122932.3 E.P.

Priority Document Date : 29.12.1997.

Applicant : BOSTOEN RITA.

Title : "ECONOMISER DEVICE FOR TOILET TANK".

National Phase Application No. : IN/PCT/2000/00097/DEL dated 19.7.2000.

Corresponding PCT Application No. : PCT/EP99/06572 dated 7.9.1999.

Priority Document No. : 19855617.9 D.E.

Priority Document Date : 2.12.1998.

Applicant : RIETER AUTOMATIK GmbH.

Title : "PELLETIZING DEVICE WITH CUTTING ROTOR".

National Phase Application No. : IN/PCT/2000/00098/DEL dated 20.7.2000

Corresponding PCT Application No. : PCT/US99/02110 dated 3.2.1999.

Priority Document No. : 09/017.596 U.S.

Priority Document Date : 3.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "STYLING SHAMPOO COMPOSITIONS".

National Phase Application No. : IN/PCT/2000/00099/DEL dated 20.7.2000

Corresponding PCT Application No. : PCT/US99/02311 dated 3.2.1999.

Priority Document No. : 09/017,597 U.S.

Priority Document Date : 3.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "STYLING SHAMPOO COMPOSITIONS WHICH DELIVER IMPROVED HAIR CURL RETENTION AND HAIR FEEL".

National Phase Application No. : IN/PCT/2000/00100/DEL dated 20.7.2000.

Corresponding PCT Application No. : PCT/US99/02395 dated 3.2.1999.

Priority Document No. : 98101868.2 U.S.

Priority Document Date : 4.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "ABSORBENT ARTICLE WITH BREATHABLE BACKSHEET COMPRISING SLANTED CAPILLARY APERTURES".

National Phase Application No. : IN/PCT/2000/00101/DEL dated 20.7.2000.

Corresponding PCT Application No. : PCT/US99/02393 dated 3.2.1999.

Priority Document No. : 98101867.4 U.S.

Priority Document Date : 4.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "ABSORBENT ARTICLE WITH BREATHABLE DUAL LAYER BACKSHEET COMPRISING ONE LAYER WITH SLANTED CAPILLARY APERTURES".

National Phase Application No. : IN/PCT/2000/00102/DEL dated 20.7.2000.

Corresponding PCT Application No. : PCT/IB99/00185 dated 2.2.1999.

Priority Document No. : 98102691.7 E.P.O.

Priority Document Date : 17.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "DOPED ODOUR CONTROLLING MATERIALS".

National Phase Application No. : IN/PCT/2000/00103/DEL dated 20.7.2000.

Corresponding PCT Application No. : PCT/GB98/03799 dated 24.12.1998.

Priority Document No. : 9727165.4 G.B

Priority Document Date : 24.12.1998.

Applicant : CARVER PLC.

Title : "FILTERS".

National Phase Application No. : IN/PCT/2000/00104/DEL dated 21.7.2000.

Corresponding PCT Application No. : PCT/US99/02335 dated 3.2.1999.

Priority Document No. : 60/073,686 U.S. & 09/241,923 U.S. 4.2.1998.

Priority Document Date : 4.2.1998 & 2.2.1999.

Applicant : TEXACO DEVELOPMENT CORPORATION.

Title : "COMBINED CRYOGENIC AIR SEPARATION WITH INTEGRATED GASIFIER".

National Phase Application No. : IN/PCT/2000/00105/DEL Under Chapter II dated 24.7.2000.

Corresponding PCT Application No. : PCT/CA98/01155 dated 22.12.1998.

Priority Document No. : 08/997,531 U.S.

Priority Document Date : 23.12.1997.

Applicant : CAPTION TV INC.

Title : "CENSORING DEVICE TO CENSOR CLOSED CAPTIONING OF VIDEO SIGNAL".

National Phase Application No. : IN/PCT/2000/00106/DEL dated 24.7.2000.

Corresponding PCT Application No. : PCT/US99/02566 dated 5.2.1999.

Priority Document No. : 60/073,749 U.S.

Priority Document Date : 5.2.1998.

Applicant : MDC INVESTMENT HOLDINGS INC.

Title : "RETRACTING NEEDLE ARTERIAL BLOOD GAS SYRINGE".

National Phase Application No. : IN/PCT/2000/00107/DEL dated 26.7.2000.

Corresponding PCT Application No. : PCT/FR99/00182 dated 29.1.1999.

Priority Document No. : 98/00961 F.R.

Priority Document Date : 29.1.1998.

Applicant : LEE, CHIUN-QIANG.

Title : "SIMULTANEOUS PROTECTION FOR SEVERAL TYPES OF SOFTWARE OF SEVERAL SOFTWARE DESIGNERS".

National Phase Application No. : IN/PCT/2000/00108/DEL dated 27.7.2000.

Corresponding PCT Application No. : PCT/US99/01731 dated 28.1.1999.

Priority Document No. : 60/072,834 U.S.

Priority Document Date : 28.1.1998.

Applicant : NORTHWESTERN UNIVERSITY

Title : "ADVANCED CASE CARBURIZING SECONDARY HARDENING STEELS".

National Phase Application No. : IN/PCT/2000/00109/DEL dated 27.7.2000.

Corresponding PCT Application No. : PCT/US99/01670 dated 26.1.1999.

Priority Document No. : 60/072,718 U.S.

Priority Document Date : 27.1.1998.

Applicant : THOMAS N. THOMAS.

Title : "METHOD OF TREATMENT USING MAO-A AND MAO-B INHIBITORS SUCH AS L-DEPRENYL".

National Phase Application No. : IN/PCT/2000/00110/DEL Under Chapter II dated 31.7.2000.

Corresponding PCT Application No. : PCT/US99/01961 dated 29.1.1999.

Priority Document No. : 60/073,158 U.S.

Priority Document Date : 30.1.1998.

Applicant : EXXON CHEMICAL PATENTS, INC.

Title : "REACTIVE DISTILLATION PROCESS FOR THE PRODUCTION OF XYLEMES".

National Phase Application No. : IN/PCT/2000/00111/DEL dated 31.7.2000.

Corresponding PCT Application No. : PCT/US99/02185 dated 3.2.1999.

Priority Document Nos. : 60/073,709 U.S., 09/050,083 U.S. & 60/117,476 U.S.

Priority Document Dates : 4.2.1998, 30.3.1998, 27.1.1999.

Applicant : IMMUNEX CORPORATION.

Title : "CRYSTALLINE TNF α -CONVERTING ENZYME AND USES THEREOF".

National Phase Application No. : IN/PCT/2000/00112/DEL dated 31.7.2000.

Corresponding PCT Application No. : PCT/US99/02185 dated 3.2.1999.

Priority Document Nos. : 60/073,709 U.S., 09/050,083, U.S. & 60/117,476 U.S.

Priority Document Dates : 4.2.1998, 30.3.1998 & 27.1.1999.

Applicant : IMMUNEX CORPORATION.

Title : "CRYSTALLINE TNF α -CONVERTING ENZYME AND USES THEREOF".

National Phase Application No. : IN/PCT/2000/00113/DEL Under Chapter II dated 1.08.2000.

Corresponding PCT Application No. : PCT/US99/01490 dated 18.2.1999.

Priority Document No. : 09/025,801 U.S.

Priority Document Date : 19.2.1998.

Applicant : BENTLY NEVADA CORPORATION.

Title : "A METHOD AND APPARATUS FOR DIAGNOSING AND CONTROLLING ROTATING STALL AND SURGE IN ROTATING MACHINERY".

National Phase Application No. : IN/PCT/2000/00114/DEL dated 1.8.2000.

Corresponding PCT Application No. : PCT/FR99/00497 dated 4.3.1999.

Priority Document No. : 98.02819 FR

Priority Document Date : 9.3.1998.

Applicant : CECA S.A.

Title : "DECARBONATING GAS STREAMS USING ZIOLITE ADSORBENTS"

National Phase Application No. : IN/PCT/2000/00115/DEL dated 1.8.2000.

Corresponding PCT Application No. : PCT/US99/02343 dated 3.2.1999.

Priority Document Nos. : 09/017599 U.S. & 09/017831 U.S.

Priority Document Dates : 3.2.1998 & 3.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "PAPER STRUCTURES HAVING A DECORATIVE PATTERN AND METHOD FOR MAKING".

National Phase Application No. : IN/PCT/2000/00116/DEL dated 3.8.2000.

Corresponding PCT Application No. : PCT/GB99/04057 dated 3.12.1999.

Priority Document Nos. : 9826803.0 U.K. & 9912172.5 U.K.

Priority Document Dates : 4.12.1998 & 25.05.1999.

Applicant : MATCON (R&D) LIMITED.

Title : "APPARATUS AND METHOD FOR HANDLING MATERIAL".

National Phase Application No. : IN/PCT/2000/00117/DEL dated 7.8.2000.

Corresponding PCT Application No. : PCT/IB99/00593 dated 7.4.1999.

Priority Document No. : 98870076.1 E.P.

Priority Document Date : 8.4.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "CARPET CLEANING COMPOSITIONS AND METHOD FOR CLEANING CARPETS".

National Phase Application No. : IN/PCT/2000/00118/DEL dated 7.8.2000.

Corresponding PCT Application No. : PCT/IB99/00225 dated 10.2.1999.

Priority Document No. : 09/027039 U.S.

Priority Document Date : 20.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "METHOD OF MAKING A SLITTED OR PARTICULATE ABSORBENT MATERIAL AND STRUCTURES FORMED THEREBY".

National Phase Application No. : IN/PCT/2000/00119/DEL dated 7.8.2000.

Corresponding PCT Application No. : PCT/IB99/00592 dated 7.4.1999.

Priority Document No. : 98870075.3 E.P.

Priority Document Date : 8.4.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "CARPET CLEANING COMPOSITIONS AND METHOD FOR CLEANING CARPETS".

National Phase Application No. : IN/PCT/2000/00120/DEL dated 7.8.2000.

Corresponding PCT Application No. : PCT/IB99/00468 dated 22.3.1999.

Priority Document No. : 98105685.6 E.P.

Priority Document Date : 28.3.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "THE USE OF A BREATHABLE ABSORBENT ARTICLE CONSTRUCTION TO MAINTAIN IDEAL SKIN SURFACE TEMPERATURE".

National Phase Application No. : IN/PCT/2000/00121/DEL dated 7.8.2000.

Corresponding PCT Application No. : PCT/US99/02396 dated 3.2.1999.

Priority Document No. : 98200507.6 E.P.

Priority Document Date : 18.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "SKIN CARE COMPOSITIONS".

National Phase Application No. : IN/PCT/2000/00122/DEL dated 7.8.2000.

Corresponding PCT Application No. : PCT/IB99/00420 dated 15.3.1999.

Priority Document No. : 09/045776 U.S.

Priority Document Date : 19.3.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "ARTICULABLE FOOD CONTAINER"

National Phase Application No. : IN/PCT/2000/00123/DEL dated 7.8.2000.

Corresponding PCT Application No. : PCT/US99/0239 dated 3.2.1999.

Priority Document No. : 60/075383 U.S.

Priority Document Date : 20.2.1998

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "BLEACH DETERGENT COMPOSITIONS CONTAINING MODIFIED POLYAMINE POLYMERS".

National Phase Application No. : IN/PCT/2000/00124/DEL dated 7.8.2000.

Corresponding PCT Application No. : PCT/IB99/00418 dated 15.3.1999.

Priority Document No. : 60/078301 U.S.

Priority Document Date : 17.3.1998.

Applicant : THE PROCTER & GAMBLE COMPANY

Title : "APPARATUS AND PROCESS FOR MAKING STRUCTURED PAPER AND STRUCTURED PAPER PRODUCED THEREBY"

National Phase Application No. : IN/PCT/2000/00125/DEL Under Chapter II dated 7.8.2000.

Corresponding PCT Application No. : PCT/IT99/00009 dated 20.1.1999

Priority Document Nos. : 98A000001 FR, 98A000004 FR, 98A000009 FR.

Priority Document Dates : 21.1.1998, 23.3.1998, 22.7.1998.

Applicant : ERL INVENZIONI S.R.L.

Title : "BYCICLE OR THE LIKE".

National Phase Application No. : IN/PCT/2000/00126/DEL Under Chapter II dated 7.8.2000.

Corresponding PCT Application No. : PCT/KN99/00116 dated 15.3.1999.

Priority Document Nos. : 1998-8750 KR, 1998-8751 KR, 1999-6035 KR.

Priority Document Dates : 16.3.1998, 16.3.1998 and 24.2.1999.

Applicant : KOREAN RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY.

Title : "FLUOROVINYLOXYACETAMIDES, PROCESS FOR PREPARING SAME AND HERBICIDAL COMPOSITION COMPRISING SAME".

National Phase Application No. : IN/PCT/2000/00127/DEL Under Chapter II dated 7.8.2000.

Corresponding PCT Application No. : PCT/GB99/00211 dated 21.1.1999.

Priority Document No. : 9802561.2 U.K.

Priority Document Date : 7.2.1998.

Applicant : AVECIA LIMITED.

Title : "MORTIERELLA".

National Phase Application No. : IN/PCT/2000/00128/DEL dated 8.8.2000.

Corresponding PCT Application No. : PCT/US99/02834 dated 9.2.1999.

- Priority Document No. : 09/028,832 U.S.
 Priority Document Date : 24.2.1998.
 Applicant : ROBERT TAPPER.
 Title : "SENSOR CONTROLLED ANALYSIS AND THERAPEUTIC DELIVERY SYSTEM".
- National Phase Application No. : IN/PCT/2000/00129/DEL dated 8.8.2000.
- Corresponding PCT Application No. : PCT/IB99/00808 dated 17.2.1999.
- Priority Document No. : P-9800046 SL
 Priority Document Date : 18.2.1998.
- Applicant : LOK PHARMACEUTICAL AND CHEMICAL COMPANY. D.D.
- Title : "PROCESS FOR THE OBTAINING OF HMG-COA REDUCTASE INHIBITORS OF HIGH PURITY".
- National Phase Application No. : IN/PCT/2000/00130/DEL dated 8.8.2000.
- Corresponding PCT Application No. : PCT/AU99/00067 dated 29.1.1999.
- Priority Document No. : PP 1768 AU
 Priority Document Date : 12.2.1998.
- Applicant : MOLDFLOW PRIVATE LIMITED.
- Title : "AUTOMATED MOLDING TECHNOLOGY FOR THERMOPLASTIC INJECTION MOLDING".
- National Phase Application No. : IN/PCT/2000/00131/DEL dated 8.8.2000.
- Corresponding PCT Application No. : PCT/US99/04542 dated 2.3.1999.
- Priority Document No. : 09/046,878 U.S.A.
 Priority Document Date : 24.3.1998.
- Applicant : GENERAL ELECTRIC COMPANY.
 Title : "MULTILAYER PLASTIC ARTICLES".
- National Phase Application No. : IN/PCT/2000/00132/DEL dated 8.8.2000.
- Corresponding PCT Application No. : PCT/US99/04769 dated 3.3.1999.
- Priority Document Nos. : 60/076,666 U.S., 60/076,610 U.S., 09/227,371 U.S.
 Priority Document Dates : 3.3.1998, 3.3.1998 AND 8.1.1999.
 Applicant : GENERAL ELECTRIC COMPANY.
- Title : "SYSTEM AND METHOD FOR DIRECTING AN ADAPTIVE ANTENNA ARRAY".
- National Phase Application No. : IN/PCT/2000/00133/DEL dated 8.8.2000.
- Corresponding PCT Application No. : PCT/US99/31192 dated 29.12.1999.
- Priority Document No. : 09/228,322 U.S.A.
 Priority Document Date : 11.01.1999.
 Applicant : GENERAL ELECTRIC COMPANY.
- Title : "ELECTRICITY METER HAVING A CONDUCTIVE SHIELD FOR REFLECTING ELECTRIC FIELDS".
- National Phase Application No. : IN/PCT/2000/00134/DEL dated 10.8.2000.
- Corresponding PCT Application No. : PCT/US99/14999 dated 2.7.1999.
- Priority Document Nos. : 60/091593 U.S.A., 60/132309 U.S.A.
 Priority Document Dates : 2.7.1998, 3.5.1999.
- Applicant : THE PROCTER & GAMBLE COMPANY.
 Title : "CARBON FIBER FILTERS".
- National Phase Application No. : IN/PCT/2000/00135/DEL dated 11.8.2000.
- Corresponding PCT Application No. : PCT/US99/02446 dated 5.2.1999.
- Priority Document No. : 98100529.2 CN
 Priority Document Date : 16.2.1998.
- Applicant : LIN CHUNG YU.
- Title : "EARPHONE WITHOUT IMPULSE NOISE FOR PROTECTION AGAINST CONDUCTIVE HEARING LOSS".
- National Phase Application No. : IN/PCT/2000/00136/DEL dated 14.08.2000.
- Corresponding PCT Application No. : PCT/US99/02838 dated 10.02.1999.
- Priority Document No. : 09/022,950 U.S.
 Priority Document Date : 12.02.1998.
- Applicant : GENGHIS COMM CORPORATION.
 Title : "MULTIPLE ACCESS METHOD AND SYSTEM".
- National Phase Application No. : IN/PCT/2000/00137/DEL dated 14.8.2000.
- Corresponding PCT Application No. : PCT/IB99/00183 dated 2.2.1999.
- Priority Document No. : 60/075,033 U.S.
 Priority Document Date : 18.02.1998.
- Applicant : THE PROCTER & GAMBLE COMPANY.
- Title : "SURFACTANTS FOR STRUCTURING NON-AQUEOUS LIQUID COMPOSITIONS".
- National Phase Application No. : IN/PCT/2000/00138/DEL dated 14.08.2000.
- Corresponding PCT Application No. : PCT/IB99/00226 dated 10.02.1999.
- Priority Document No. : 09/027,379 U.S.

Priority Document Date : 20.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "METHOD OF MAKING A SLITTED OR PARTICULATE ABSORBENT MATERIAL".

National Phase Application No. : IN/PCT/2000/00139/DEL dated 14.8.2000.

Corresponding PCT Application No. : PCT/IB99/00230 dated 10.02.1999.

Priority Document No. : 98870040.7 E.P.

Priority Document Date : 27.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "LIQUID HARD-SURFACE CLEANING COMPOSITIONS".

National Phase Application No. : IN/PCT/2000/00140/DEL dated 16.8.2000.

Corresponding PCT Application No. : PCT/US99/04654 dated 11.3.1999.

Priority Document Nos. : 60/078,212 U.S., 60/078,214 U.S.

Priority Document Dates : 16.3.1998, 16.3.1998.

Applicant : INHALE THERAPEUTIC SYSTEMS INC.

Title : "AEROSOLIZED ACTIVE AGENT DELIVERY".

National Phase Application No. : IN/PCT/2000/00141/DEL Under Chapter II dated 16.8.2000.

Corresponding PCT Application No. : PCT/FR99/00409 dated 24.2.1999.

Priority Document No. : 98/02316 FR

Priority Document Date : 26.2.1998.

Applicant : AVENTIS PHARMA S.A.

Title : "STREPTOGRAMIN DERIVATIVES, PREPARATION METHOD AND COMPOSITIONS CONTAINING SAME".

National Phase Application No. : IN/PCT/2000/00142/DEL Under Chapter II dated 17.8.2000.

Corresponding PCT Application No. : PCT/GB99/00304 dated 16.2.1999.

Priority Document Nos. : 9803413.5 GB, 9813998.3 GB, 9817353.7 GB.

Priority Document Dates : 19.2.1998, 30.6.1998, 11.8.1998.

Applicant : AVENTIS CROPSCIENCE UK LIMITED.

Title : "2-PYRIDYLMETHYLAMINE DERIVATIVES USEFUL AS FUNGICIDES".

National Phase Application No. : IN/PCT/2000/00143/DEL dated 18.8.2000.

Corresponding PCT Application No. : PCT/US99/02733 dated 8.2.1999.

Priority Document No. : 60/075709 U.S.

Priority Document Date : 24.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "TERTIARY ALCOHOL FRAGRANCE RAW MATERIAL DELIVERY SYSTEM".

National Phase Application No. : IN/PCT/2000/00144/DEL dated 18.8.2000.

Corresponding PCT Application No. : PCT/US99/02732 dated 8.2.1999.

Priority Document No. : 60/075708 U.S.

Priority Document Date : 24.2.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "NOVEL CYCLIC PRO-PERFUMES HAVING MODIFIABLE FRAGRANCE RAW MATERIAL ALCOHOL RELEASE RATE".

National Phase Application No. : IN/PCT/2000/00145/DEL Under Chapter II dated 18.8.2000.

Corresponding PCT Application No. : PCT/FI/00152 dated 26.2.1999.

Priority Document No. : 980463 FI

Priority Document Date : 27.2.1998.

Applicant : OY FINNISH IMMUNOTECHNOLOGY LTD.

Title : "SELF-REPLICATING VECTOR FOR DNA IMMUNIZATION AGAINST HIV".

National Phase Application No. : IN/PCT/2000/00146/DEL Under Chapter II dated 18.8.2000.

Corresponding PCT Application No. : PCT/KR99/00785 dated 17.12.1999.

Priority Document No. : 1998/56363 KR

Priority Document Date : 19.12.1998.

Applicant : KOSAP TECH. CO., LTD.

Title : "SHUTTLE BOBBIN FOR SEWING MACHINES".

National Phase Application No. : IN/PCT/2000/00147/DEL dated 22.8.2000.

Corresponding PCT Application No. : PCT/U99/05649 dated 15.03.1999.

Priority Document No. : 09/039,710 U.S.

Priority Document Date : 16.3.1998.

Applicant : SKYCACHE INC.

Title : "COMPREHENSIVE GLOBAL INFORMATION NETWORK BROADCASTING SYSTEM AND IMPLEMENTATION THEREOF".

National Phase Application No. : IN/PCT/2000/00148/DEL dated 24.8.2000.

Corresponding PCT Application No. : PCT/CA99/00209 dated 11.3.1999.

Priority Document No. : 09/038,860 U.S.

Priority Document Date : 11.3.1998.

Applicant : DALHOUSIE UNIVERSITY.

Title : "FIBER REINFORCED BUILDING MATERIALS".

National Phase Application No. : IN/PCT/2000/00149/DEL dated 24.8.2000.

Corresponding PCT Application No. : PCT/GB99/00634 dated 3.3.1999.

Priority Document Nos. : 9805111.3 UK & 9805112.1 UK.

Priority Document Dates : 10.3.1998 & 10.3.1998.

Applicant : DE LA RUE INTERNATIONAL LIMITED.

Title : "METHOD OF MANUFACTURING A SECURITY ITEM".

National Phase Application No. : IN/PCT/2000/00150/DEL dated 25.8.2000.

Corresponding PCT Application No. : PCT/EP99/02154 dated 29.3.1999.

Priority Document No. : 98870060.5 EP

Priority Document Date : 27.3.1998.

Applicant : INNOGENETICS N.V.

Title : "EPITOPEs IN VIRAL ENVELOPE PROTEINS AND SPECIFIC ANTIBODIES DIRECTED AGAINST THESE EPITOPEs, USE FOR DETECTION OF HCV CIRAL ANTIGEN IN HOST TISSUE".

National Phase Application No. : IN/PCT/2000/00151/DEL Under Chapter II dated 25.8.2000.

Corresponding PCT Application No. : PCT/GB99/00797 dated 16.3.1999.

Priority Document No. : 9805348.1 U.K.

Priority Document Date : 16.3.1998.

Applicant : INEES ACRYLICS UK LTD.

Title : "PREPARATION OF BIDENTATE PHOSPHINE LIGAND BY METALLATION".

National Phase Application No. : IN/PCT/2000/00152/DEL dated 28.8.2000.

Corresponding PCT Application No. : PCT/U899/05315 dated 11.3.1999.

Priority Document No. : 09/041232 U.S.

Priority Document Date : 12.3.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "PROTEASE INHIBITORS IN ABSORBENT ARTICLES".

National Phase Application No. : IN/PCT/2000/00153/DEL dated 28.8.2000.

Corresponding PCT Application No. : PCT/US99/05311 dated 11.3.1999.

Priority Document No. : 09/041266 U.S.

Priority Document Date : 12.3.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "DISPOSABLE ABSORBENT ARTICLE HAVING A SKIN CARE COMPOSITION CONTAINING AN ENZYME INHIBITOR".

National Phase Application No. : IN/PCT/2000/00154/DEL dated 28.8.2000.

Corresponding PCT Application No. : PCT/IB99/00403 dated 12.3.1999.

Priority Document No. : 09/042, 418 U.S.

Priority Document Date : 13.3.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "ABSORBENT MATERIALS FOR DISTRIBUTING AQUEOUS LIQUIDS"

National Phase Application No. : IN/PCT/2000/00155/DEL dated 28.8.2000.

Corresponding PCT Application No. : PCT/IB99/00404 dated 12.3.1999.

Priority Document No. : 09/042,429 U.S.

Priority Document Date : 13.3.1998.

Applicant : THE PROCTER & GAMBLE COMPANY.

Title : "HIGH SUCTION POLYMERIC FOAM MATERIALS".

National Phase Application No. : IN/PCT/2000/00156/DEL Under Chapter I dated 28.8.2000.

Corresponding PCT Application No. : PCT/KR00/00025 dated 14.1.2000.

Priority Document Nos. : 1999-1232 KR & 1999-59776 KR.

Priority Document Dates : 18.1.1999 & 21.12.1999.

Applicant : LG CHEMICAL LIMITED.

Title : "LIPOPHILIC MICROPARTICLES CONTAINING A PROTEIN DRUG OR ANTIGEN AND FORMULATION COMPRISING SAME".

National Phase Application No. : IN/PCT/2000/00157/DEL Under Chapter II dated 30.8.2000.

Corresponding PCT Application No. : PCT/EP99/00676 dated 2.2.1999.

Priority Document No. : 198 040 10.05 D.E.

Priority Document Date : 2.2.1998.

Applicant : RUDOLF RINDER.

Title : "METHOD AND DEVICE FOR EXTRACTING PLANT INGREDIENTS".

National Phase Application No. : IN/PCT/2000/00158/DEL Under Chapter II dated 31.8.2000.

Corresponding PCT Application No. : PCT/EP99/01965 dated 18.3.1999.

Priority Document No. : 19812908.4 DE

Priority Document Date : 18.3.1998.

Applicant : BB-DATA GESELLSCHAFT FUR INFORMATIONS UND KOMMUNIKATIONS SYSTEME mbH.

Title : "INVENTORY SYSTEM COMPRISING A DATA PROCESSING OR COMMUNICATIONS SYSTEM".

National Phase Application No. : IN/PCT/2000/00159/DEL Under Chapter II dated 31.8.2000.

Corresponding PCT Application No. : PCT/EP99/01964 dated 18.3.1999.

Priority Document No. : 19812909.2 DE

Priority Document Date : 18.3.1998.

Applicant : BB-DATA GESELLSCHAFT FUR INFORMATIONS UND KOMMUNIKATIONS SYSTEME mbH.

Title : "LOCATION OR INVENTORY SYSTEM"

National Phase Application No. : IN/PCT/2000/00160/DEL Under Chapter II dated 31.8.2000.

Corresponding PCT Application No. : PCT/EP99/01963 dated 18.3.1999.

Priority Document No. : 198 12 901.7 DE

Priority Document Date : 18.3.1998.

Applicant : BB-DATA GESELLSCHAFT FUR INFORMATIONS UND KOMMUNIKATIONS SYSTEME mbH.

Title : "COMPUTER NETWORK WITH DATA OR COMMUNICATIONS AND SYSTEM".

National Phase Application No. : IN/PCT/2000/00161/DEL Under Chapter II dated 31.8.2000.

Corresponding PCT Application No. : PCT/US99/04516 dated 2.3.1999.

Priority Document No. : 60/076,659 U.S.

Priority Document Date : 3.3.1998.

Applicant : SHIONOGI & CO., LTD.

Title : "PHARMACEUTICAL COMPOSITIONS CONTAINING THE PHOSPHOLIPASE INHIBITOR SODIUM [{3-(2-AMINO-1, 2-DIOXOETHYL)-2-ETHYL-1-PHENYLMETHYL}-1H-INDOL-4-YL} OXY] ACETATE".

National Phase Application No. : IN/PCT/2000/00162/DEL dated 31.8.2000.

Corresponding PCT Application No. : PCT/US99/04516 dated 2.3.1999.

Priority Document No. : 60/076,659 U.S.

Priority Document Date : 3.3.1998.

Applicant : SHIONOGI & CO., LTD.

Title : "PHARMACEUTICAL COMPOSITIONS CONTAINING THE PHOSPHOLIPASE INHIBITOR SODIUM

[{3-(2-AMINO-1, 2-DIOXOETHYL)-2-ETHYL-1-PHENYLMETHYL}-1H-INDOL-4-YL} OXY] ACETATE".

ALTERATION OF DATE UNDER SECTION-16

186067 Antedated to 21st May 1996.
(1449/Cal/98)

186068 Antedated to 21st May 1996.
(1450/Cal/98)

186069 Antedated to 21st May 1996.
(1451/Cal/98)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत संपूर्ण विविरण

एतद्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्णय की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियत्रक एकत्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फार्मल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये गयाकरण, भारतीय गयाकरण तथा अन्तर्राष्ट्रीय गयाकरण के अनुरूप है।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30/- रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियों को आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन. 30/- रुपये की अदायगी पर की जा सकती है।

Int. Cl⁴ : G 07 D 7/00. 186061
Ind. Cl. : 146 D1.

A VIEWING DEVICE FOR CHECKING THE AUTHENTICITY OF AN INSTRUMENT OF VALUE.

Applicant : FLEX PRODUCTS, INC. OF 2793 NORTHPOINT PARKWAY, SANTA ROSA, CALIFORNIA 95407, UNITED STATES OF AMERICA.

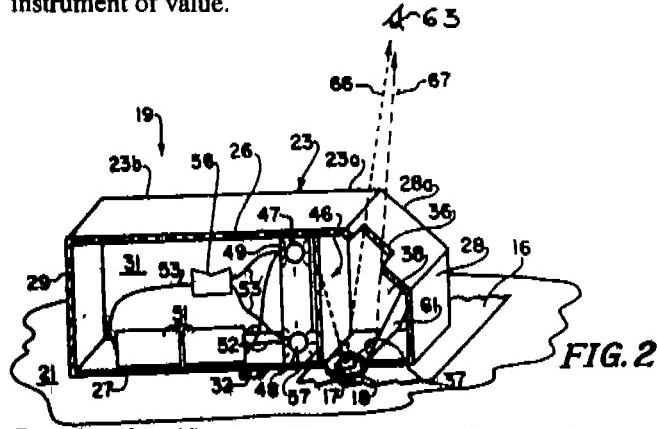
Inventors : CHARLES T. MARKANTES & ROGER W. PHILLIPS.

Application for Patent No. 1329/Cal/95 filed on 27-10-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A viewing device for checking by a human eye of an observer the authenticity of an instrument of value having an optically variable device on at least a portion thereof, said optically variable device having optical color shift characteristics so as to reflect a first color when viewed at a first viewing angle and a second color when viewed at a second viewing angle different by an angle of at least 40° from the first viewing angle, the device comprising a housing adapted for permitting the observer to view the optically variable device in a fixed spatial orientation in the first color and a reflector generally aligned at an obtuse angle (62) or at an acute angle (218) relative to image in horizontal plane and carried by the housing for reflecting the second color from the optically variable device so as to permit the observer to view the optically variable device in the second color whereby the optically variable device can be viewed simultaneously by the observer in the first and second colors for facilitating the ascertainment of the authenticity of the instrument of value.



Int. Cl⁴ : A 61 F 13/20.

186063

Ind. Cl. : 128 A.

TAMPON APPLICATOR FOR FEMININE HYGIENE AND TO A PROCESS FOR ITS PRODUCTION AND AN APPARATUS FOR CARRYING OUT THE PROCESS.

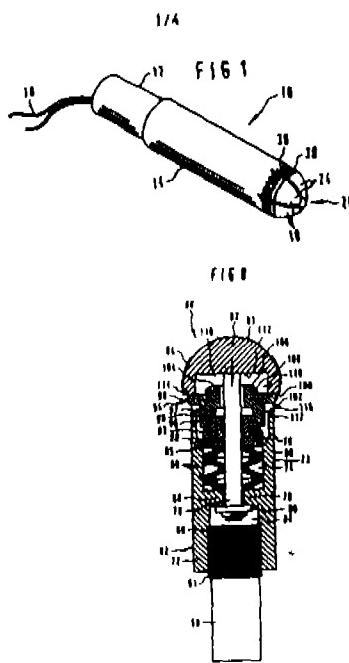
Applicant : MCNEIL-PPC, INC. OF VAN LIEW AVENUE, MILTOWN, NJ 08850, UNITED STATES OF AMERICA.

Inventors : HANS-WERNER SCHOELLING & HELENA ENGQVIST.

Application for Patent No. 33/Cal/96, filed on 8-1-96.

(Convention No. 19503011.7 filed on 31-1-95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



(Complete Specification : 32 Pages. Drawing Sheets : 4)

40 Claims

Tampon applicator (10) for feminine hygiene, comprising a cylindrical applicator sleeve (14) for paper-like material, having a front end which comprises a plurality of generally triangular segments (18) which are bent forwards and inwards with respect to the longitudinal centre axis of the applicator sleeve (14), forming a dome (20), each segment (18) having an inner side (22) and an outer side (24), opposite side edges (30, 32), a tip (26) and a base (28), and the side edges (30, 32), each segment (18) being independent of the side edges (30, 32) of neighbouring segments (18), weakening of the segments being provided for reducing their resistance to a spreading movement of the segments during the pushing out of a tampon from the applicator sleeve, characterized in that the bases (28) of the segments (18) are formed by the front, solid-cylindrical end of the applicator sleeve (14) and the weakening of the segments (18) is provided exclusively on the inner side (22) and at an axial distance from the base (28) of the segments (18).

Wherein the hinge line (36) is separated from the base (28) of the segments (18), spaced toward the segment tips (26), the lines of weakness (38) are separated from the hinge line (36), spaced towards the segment tips (26), and the lines of weakness (38) extend substantially in the longitudinal direction over a portion of the length of each segment (18); and a plunger (12) telescopically disposed within the applicator barrel (14).

Int. Cl⁴ : F 02 C 7/18

186064

Ind. Cl. : 63-E.

COMPRESSOR ROTOR COOLING SYSTEM FOR A GAS TURBINE.

Applicant : GENERAL ELECTRIC COMPANY OF 1 RIVER ROAD, SCHNECTADY 12345, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. DEAN THOMAS LENAHAN, 2. POU L DYHR PEDERSEN, 3. LARRY WAYNE PLEMMONS, 4. CHRISTOPHER CHARLES GLYNN, 5. FREDERICK MARTIN MILLER, 6. CURTIS WALTON STOVER.

Application for Patent No. 97/Cal/96, filed on 19-1-96.

(Convention No. 08/414, 699, filed on 31-3-95 in U.S.A.)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

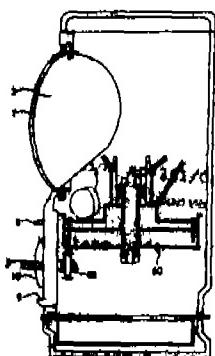
18 Claims

A gas turbine comprising a compressor having a bore and a rotor comprised of multiple stages extending between a first stage at a forward end of the compressor and a last stage at an aft end of the compressor, each stage comprising a rotor disk having a peripheral rim and multiple blades secured to the peripheral rim, a combustion system comprising a plurality of combustors utilizing discharge air from the compressor for combustion, and multiple turbine stages driven by combustion gases from the combustion system, the improvement comprising means for supplying cooling air at least to a peripheral rim of the last stage of the compressor, wherein said cooling air comprises compressor discharge air extracted from the combustion system down stream of the combustors.

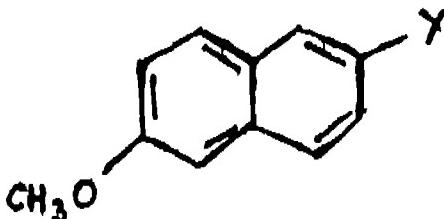
corresponding to the discharging opening, for changing the effective opening area of the commodity discharging opening which depends on the degree of overlap caused by a rotation thereof; and

a biasing means (175) provided around the shaft (73), for giving the opening regulating member (72) a biasing force to press it against the drum (70),

One of the opening regulating member and the drum being provided with a positioning projection (72b) and the other being provided with a plurality of positioning holes (70b) for engaging the positioning projection at a position to keep predetermined effective opening area, and change of the effective opening area being carried out by sliding the opening regulating member axially away from the drum against the biasing force of the biasing means and by rotating the opening regulating member to engage the positioning projection with another positioning hole.

FIG.1

wherein X is CH_3SO_- , OR, or halogen and each R is independently hydrogen, alkyl, aryl, acyl, alkanesulfonyl, arenesulfonyl, carbamoyl, alkoxy carbonyl, or aryloxycarbonyl; with, substituted methoxynaphthalene



wherein Y=halogen, $\text{N}_2^+Z^-$; N=nitrogen; Z= BF_4^- , HSO_4^- , halide and Ar is phenyl or naphthyl.

(Complete Specification 20 Pages. Drgs. Nil.)

Int. Cl.⁴ : A 61K 31/12 C 07 C 49/603, 45/67 186070

Ind. Cl. : 32 F 3 (Q) 55 E 2.

A PROCESS FOR PREPARING 4-(4' HYDROXYPHENYL)-2-BUTANONE.

Applicant : HOECHST CELANESE CORPORATION, OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : 1. JOHN R. FRITCH, 2. MOHAMMAD ASLAM, 3. DORA E RIOS, 4. JOEL C. SMITH.

Application No. 1451/Cal/98 filed on 13.8.98.

(Convention No.(s) 08/473603 filed on 7.6.95 and 08/629656 filed on 9.4.96 in U.S.A.)

(Divided out of No. 925/Cal/96 antedated to 21.5.96)

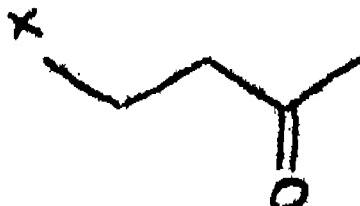
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office, Calcutta.

1 Claim

A process for preparing 4-(4' hydroxyphenyl)-2-butanone comprising contacting at a temperature of 100-200°C, a pressure of 0-1500 psi and a reaction time of 0.166-24 hours having the following formula



wherein Y=halogen, $\text{N}_2^+Z^-$; N=nitrogen; Z= BF_4^- , HSO_4^- , halide with 4-substituted 2-butanones having the following formula



wherein X= CH_3SO_- , OR, NR₂, or halogen and each R is independently hydrogen, alkyl, aryl, acyl, alkanesulfonyl, arenesulfonyl, carbamoyl, alkoxy carbonyl or aryloxycarbonyl under suitable reaction conditions to produce 4-(4'-hydroxyphenyl) but-3-en-2-one and optional hydrogenation of this butenone to 4-(4'-hydroxyphenyl)-2-butanone.

(Complete Specification 20 Pages.

Drgs. Nil.)

Int. Cl.⁴ : A 61K 31/12 C 07 C 49/603, 45/67 186070

Ind. Cl. : 32 F 3 (Q) 55 E 2.

IMPROVED PROCESS FOR THE PREPARATION OF 3, 5, 5-TRIMETHYLCYCLOHEXA-3-EN-1-ONE (β -ISOPHORONE) BY ISOMERISATION OF 3, 5, 5-TRIMETHYLCYCLOHEXA-2-EN-1-ONE (α -ISOPHORONE).

Applicant : DEGUSSA-HULS AKTIENGESELLSCHAFT OF DE-45764 MARL, GERMANY.

Inventor : 1. DR. STEFFEN KRILL, 2. STEPHAN KRETZ, 3. DR. HANS-JOACHIM HASSELBACH, 4. DR. KLAUS HUTHMACHER, 5. DR. RAINER HAHN, 6. HERMANN SCHMITT.

Application No. 433/Cal/99 filed on 10-5-99.

(Convention No. 198 21 379.4 filed on 13-5-98 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office, Calcutta.

11 Claims

Process for the preparation of 3, 5, 5-Trimethylcyclohexa-3-en-1-one (β -isophorone) by isomerisation of 3, 5, 5-trimethylcyclohexa-2-en-1-one (α -isophorone) in the presence of a catalyst, without addition of another organic base, at 100 to 260 °C in the liquid phase, characterised in that a compound of an element of groups I σ or II σ such as herein described or the actual elements of groups I σ or II σ are used as catalyst.

(Complete Specification 28 Pages.

Drgs. Sheets 0)

Ind. Cl. : 14 C LVIII (1)

186071

Int. Cl.⁴ : H 02 J, 7/00.

A CARTRIDGE FOR ACCOMMODATING A RECHARGEABLE ENERGY PACK OR ONE OR MORE INDIVIDUAL BATTERY CELLS.

Applicant : DURACELL INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF BERKSHIRE INDUSTRIAL PARK, BETHEL, CONNECTICUT 06801, UNITED STATES OF AMERICA.

Inventor(s) : RICHARD BRINNIE SMITH—U.S.A. AND BRUCE MCDONALD—U.S.A.

Application for Patent No. 738/Del/92 filed on 20th August 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

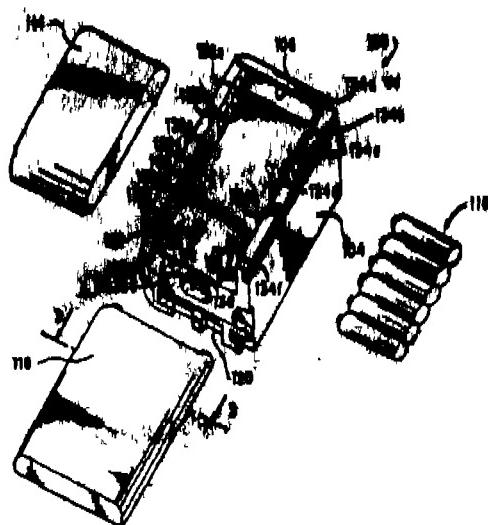
7 Claims

A cartridge (100) for accommodating a rechargeable energy pack (114) or one or more individual battery cells (116) to supply energy to an electrical apparatus having a positive contact (602 or 702) and a negative contact (604 or 704) wherein said battery cells (116) are each individually separable from the cartridge (100) and from each other, said cartridge (100) comprising:

a housing (102, 104, 106, 108, 110) having a cavity (112) for accommodating either an energy pack (114) or at least one individual battery cell (116) ;

a first set of contacts (502 and 504) exposed from the exterior of said housing (102, 104, 106, 108, 110), the position of said first set of contacts (502 and 504) corresponding to the position of the positive contact (602 or 702) and negative contact (604 or 704) or the electrical apparatus;

a second set of contacts (124 and 130) located within the cavity (112), the position of said second set of contacts (124 and 130) corresponding to the position of a positive contact and a negative contact of the energy pack (114) locatable within the cavity (112); a plurality of a third set contacts (132 and 134) located within the cavity (112) so that at least one individual battery cell (116) can be located therein such that a positive and a negative contact on an individual battery cell can mate with one of the third set of contacts (132 and 134); characterised in that the cartridge comprises a fourth set of contacts (126 and 128) located within the cavity (112), the position of said fourth set of contacts (126 and 128) corresponding to the position of a positive contact and a negative of a second rechargeable energy pack (114) different to said first energy pack (114), wherein said second (124 and 130), third (132 and 134), and fourth (126 and 128) sets of contacts are all electrically connected to said first set of contacts (502 and 504).



(Complete Specification 23 Pages.

Drgs Sheets 6)

Ind. Cl. : 32E.

186072

Int. Cl.⁴ : C08G, 59/04.

AN IMPROVED PROCESS FOR THE PREPARATION OF FIRE RETARDANT EPOXY RESIN.

Applicant : SHIRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, AN INDIAN INSTITUTE OF 19, UNIVERSITY ROAD, DELHI-110007, INDIA.

Inventor(s) : MOHAMMAD QAMAR PARWEZ—INDIA, RAJESH KUMAR RAINA—INDIA AND DATTAPRASAD ACYUT DABHOLKAR—INDIA.

Application for Patent No. 768/Del/92 filed on 28th Aug., 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An improved process for the preparation of fire retardant epoxy resin comprising preparing a reactant mix by adding tetrabromobisphenol-A in epichlorohydrin in the molar ratio of 1:7 to 1:12, adding a solvent methyl cellosolve thereto in the molar ratio of 1:4 to 1:8 with respect to epichlorohydrin and stirring said mix to allow said reactants to dissolve in said solvent, heating said mix in the presence of a catalyst as sodium hydroxide stirring to a temperature of 50 to 70°C for producing said epoxy resin.

(Complete Specification : 5 Pages Drawing Sheet Nil).

Ind. Cl. : 92C.

186073

Int. Cl.⁴ : A 47J 43/00 & B02B 3/00.

AN IMPROVED PROCESS FOR DIRECT PRODUCTION OF NEARLY 100% S—SIC WHISKERS FROM RICE HUSK.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

AND

AERONAUTIC RESEARCH & DEVELOPMENT BOARD, DIRECTORATE OF AERONAUTICS, MINISTRY OF DEFENCE (R & D), B WING, SENA BHAWAN, NEW DELHI-110001.

Inventor(s) : AJOY KUMAR RAY—INDIA, SAMAR DAS—INDIA.

Application for Patent No. 371/Del/93 filed on 13.4.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the production of substantially 100% β -SiC whiskers from rice husk, which comprises :

- (i) cleaning of raw rice husk with water, dilute hydrochloric acid and dilute sodium hydroxide solution;
- (ii) drying the cleaned raw husk in the temperature range of 90 to 110°C for 6 to 14 hrs;
- (iii) charring the raw rice husk at the temperature range of 300 to 600°C for 1 to 2 hrs;
- (iv) adding additive such as aluminium to the charred rice husk and stirring for 20 to 40 minutes;
- (v) pyrolysing aluminium added charred rice husk in inert atmosphere in the temperature range of 1450 to 1750°C and for half an hour to 2 hrs;
- (vi) burning the pyrolysed product, containing unreacted carbon in oxidising atmosphere for removal of carbon in the temperature range of 600 to 800°C and for 1 to 2 hours;
- (vii) evaporating the small amount of unreacted SiO₂ by known HF acid treatment to get substantially 100% β -SiC whiskers.

(Complete Specification : 10 Pages Drawing Sheet Nil).

Ind. Cl. : 32F, C. 186074

Int. Cl.⁴ : C 07B—33/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF EPOXIDES OF OLEFINIC ORGANIC COMPOUNDS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) : RAJIV KUMAR—INDIA, GODWIN CLARENCE GILROY PAIS—INDIA, ASIM BHAUMIK—INDIA, PRADEEP KUMAR—INDIA, BIPIN PANDEY—INDIA.

Application for Patent No. 1200/Del/93 filed on 28.10.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An improved process for the preparation of epoxides of olefinic organic compounds of open chain having formula R₁(R₂)—C=C—(R₃)(CH₂)_nR₄ wherein R₁, R₂ and R₃ is H, alkyl, aryl, allylic, alkyl substituted allylic groups or mixtures thereof and R₄ is H, alkyl, aryl, allylic, alkyl substituted allylic, alkoxy, OH, Cl, Br or I and n=0—8 or cyclic such as cyclohexene, substituted cyclohexenes, which comprises reacting the said olefinic organic compound with hydrogen peroxide in the presence of a polar solvent such as herein

3+107 GI/2001

described and microporous solid crystalline catalyst composite material containing titanium silicate having a molar composition in the anhydrous state of xTiO₂ : (1-x) SiO₂ wherein x is from 0.003 to 0.2, at a temperature between 5—100°C at autogeneous pressure for a period between 1—24 hours and recovering the corresponding epoxides from the reaction mixture by conventional methods, in the manner such as herein described.

(Complete Specification : 15 Pages Drawing Sheet Nil).

Ind. Cl. : 155A. 186075

Ind. Cl.⁴ : A 01 N, 1/00, A 41 D—13/00.

A PRESERVATIVE COMPOSITION COMPRISING A STABLE AQUEOUS EMULSION AND A PROCESS FOR PREPARING THE SAME.

Applicant : ZENECA, INC. A DELAWARE CORPORATION, OF 1800 CONCORD PIKE, WILMINGTON, DELAWARE 19897, UNITED STATES OF AMERICA.

Inventor(s) : ANAIDE BONJOUR—URUGUAY, GERARDO DANIEL BLANCO—URUGUAY, CARLOS HUMBERTO CANOURA—URUGUAY, STUART DAVID GRAHAM—U.K. AND ROGER ERROL SMITH—U.S.A.

Application for Patent No. 488/Del/96 filed on 08th March, 96.

Convention Application No. 08/410, 435/U.S./23.03.95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

20 Claims

A preservative composition preferably for use in leather and textile industry said composition comprising a stable aqueous emulsion consisting of :

- (a) 10 to 30 weight percent of 2—(thiocyanomethylthio) benzothiazole (TCMTB) and 3-iodo-2 propynyl-N-butylcarbamate (IPBC), said TCNTB : IPBC being present in a weight ratio of 0.03 : 1 to 30 : 1;
- (b) 8 to 12 weight percent of non-ionic surfactant;
- (c) 0.05 to 0.2 weight percent of thickening agent of the kind as herein described and
- (d) optionally comprising up to 25 weight percent of a glycol having at least six carbon atoms and exactly two hydroxyl groups.

(Complete Specification : 22 Pages Drawing Sheet Nil).

Ind. Cl. : 197. 186076

Int. Cl.⁴ : A47L—25/00+A45D—42/00.

A CLEANSING WIPE.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER

THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA.

Inventor : MACKEY, LARRY NEIL—U.S.A.

Application for Patent No. 804/Del/96 filed on 16th April, 96.

Convention Application No. 08/430, 061/US/27.04.95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A cleansing wipe comprising :

a water-in-lipid emulsions which is a high internal water phase inverse emulsion having :

- (i) from 2 to 60% by weight of a continuous solidified lipid phase comprising a waxy lipid material of the kind as herein described having a melting point in the range of 30°C to 80°C;
- (ii) from 39 to 97% by weight of an internal water phase dispersed in the said lipid phase; and
- (iii) from 1-10% by weight of an organopolysiloxane—polyoxyalkylene emulsifier capable of forming said emulsion when said lipid phase is in a fluid state applied to a carrier of the kind as herein described.



Fig 1

(Complete Specification : 30 Pages

Drawing Sheet-2).

Ind. Cl. : 55E₄

186077

Int. Cl.⁴ : A 61 K 31/00.

A PROCESS FOR THE PREPARATION OF SUBSTITUTED THIOPHENES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XII OF 1860).

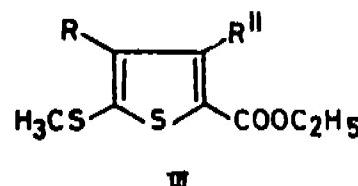
Inventor(s) : VISHNU JI RAM—INDIA, ATUL GOEL—INDIA AND PRAVEEN KUMAR SHUKLA—INDIA.

Application for Patent No. 2955/Del/96 filed on 27th Dec., 96.

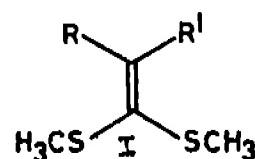
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the preparation of substituted thiophenes of the general formula (III)



wherein R=H, CN, alkoxy carbonyl and R''=OH, NH₂, aryl and substituted aryl groups which comprises reacting substituted ketene dithioacetal of the general formula (I)



wherein R=H, CN, alkoxy carbonyl R'=alkoxycarbonyl, cyano, benzoyl and substituted benzoyl groups and have the meanings given above with ethyl mercaptoacetate in the presence of a alkali metal hydroxide or alkoxide as a base in water miscible polar organic solvent at a temperature in the range of 20 to 35°C for a period in the range of 12 to 15 hr and recovering the resultant substituted thiophenes by known procedures.

(Complete Specification : 7 Pages

Drawing Sheet 1)

Ind. Cl. : 60X

186078

Int. Cl.⁴ : C 07C—25/00.

AN IMPROVED PROCESS FOR THE OXIDATIVE HALOGENATION OF AROMATIC COMPOUNDS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) : PAUL RATNASAMY—INDIA, ROBERT RAJA—INDIA, RAJIV KUMAR—INDIA.

Application for Patent No. 2960/Del/96 filed on 27.12.96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

14 Claims

An improved process for the oxidative halogenation of aromatic compounds of the molecular formula as shown in

Figure 1 of the drawing accompanying this specification wherein the meaning of R_1 to R_5 in various combinations is as follows :

$R_1 = R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = CH_3$, $R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = C_2H_5$, $R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = R_2 = CH_3$, $R_3 = R_4 = R_5 = H$ or $R_1 = R_3 = CH_3$, $R_2 = R_4 = R_5 = H$ or $R_1 = R_4 = CH_3$, $R_2 = R_3 = R_5 = H$ or $R_1 = R_5 = CH_3$, $R_2 = R_3 = R_4 = H$ or $R_1 = R_3 = R_5 = CH_3$, $R_2 = R_4 = R_5 = H$ or $R_1 = R_2 = R_3 = CH_3$, $R_4 = R_5 = H$ or $R_1 = R_2 = R_4 = CH_3$, $R_3 = R_5 = H$ or $R_1 = R_2 = R_3 = R_5 = CH_3$, $R_2 = R_4 = H$ or $R_1 = R_2 = R_3 = R_4 = CH_3$, $R_5 = H$ or $R_1 = R_2 = R_3 = R_4 = R_5 = OH$, $R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = R_2 = R_3 = R_5 = OH$, $R_4 = R_5 = H$ or $R_1 = R_2 = R_3 = R_4 = OH$, $R_5 = H$ or $R_1 = R_2 = R_3 = R_4 = R_5 = OH$, $R_1 = R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = R_2 = R_3 = R_4 = R_5 = NH_2$, $R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = OCH_3$, $R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = Cl$, $R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = Br$, $R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = CH_2-Cl$, $R_2 = R_3 = R_4 = R_5 = H$ or $R_1 = CH_2-Br$, $R_2 = R_3 = R_4 = R_5 = H$, which comprises reacting the said aromatic compound with an inorganic halide and an oxidant in the presence of a solid catalyst consisting of an organotransition metal complex wherein some or all of the hydrogen atoms of the said organotransition metal complex have been substituted by one or more electron withdrawing groups, at a temperature in the range of 20°C to 80°C, at a pressure in the range of 5 to 1000 psi pressure, in the presence of aqueous-organic mixture, optionally containing a promoter and isolating the halogenated aromatics formed by conventional methods.

(Complete Specification : 30 Pages Drawing Sheet 1).

Ind. Cl. : 55E 186079

Int. Cl.⁴: A 61 K 31/00.

**AN IMPROVED PROCESS FOR THE PREPARATION
OF 4-ETHYL-4-HYDROXY-1H-PYRANO (3',4' : 6,7)
INDOLIZINO (1, 2b) QUINOLINE-3, 14-(4H-12H) DIONE
(CAMPTOTHECIN).**

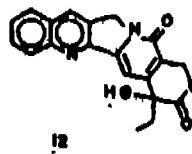
**Applicant : COUNCIL OF SCIENTIFIC AND
INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-
110001, INDIA (AN INDIAN REGISTERED BODY,
INCORPORATED UNDER REGISTRATION OF
SOCIETIES ACT, ACT XII OF 1860).**

Inventor(s) : SUBHASH PRATAPRAO CHAVAN—
INDIA AND MEENAKSHISUNDARAM
VENKATRAMAN—INDIA.

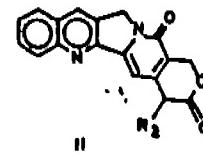
Application for Patent No. 2986/Del/96 filed on 30th Dec.,
96.

~~3~~-Claims

An improved process for the preparation of 4-ethyl-4-hydroxy-1H-pyrano (3', 4': 6, 7) indolizino (I, 2b) quinoline-3, 14-(4H-12H) dione (camptothecin) of formula 12.



which comprises, passing oxygen through a solution of 4-deoxy-4-alkyl-1H-pyrano (3', 4' : 6, 7) indolizino (I, 2b) quinoline- 3, 14-(4H-12H) dione of formula 11.



where in R₂=alkyl, cuprous chloride and an amine in a solvent for a period of 10 to 25hrs at a temperature range of 0°C to ambient temperature, removing the solvent by distillation, purifying by column chromatography to obtain camptothecin of general formula 12.

(Complete Specification : 9 Pages Drawing Sheets 2).

Ind. Cl. : 32F, (b).

186080

Int. Cl.⁴ : C07D 239/06.

A PROCESS FOR THE PREPARATION OF A PYRIMIDINEDIONE HOMOCARBOCYCLIC NUCLEOSIDE.

Applicant : SAMJIN PHARMACEUTICAL CO., LTD, A
KOREAN NATIONAL, OF 338-8, SEOKYO-DONG,
MAPO-KU, SEOUL, 121-210 REPUBLIC OF KOREA.

Inventor(s) : EUI HWAN CHO, SUN GAN CHUNG,
JOONG YOUNG KIM, HO SEOK KWON, SUN HWAN
LEE, JAE EUNG LEE, JEONG HO JOO, BYUNG CHUL
KIM & DONG WOOK KANG (KOREA).

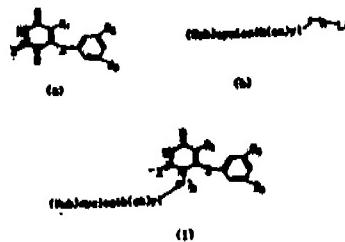
Application for Patent No. 413/Del/97 filed on 20.2.97.

Convention date 22 Feb., 96, 28th June, 96 & 22nd Oct., 96/1996-4189, 1996-25441 & 1996-47459/(Korea).

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972) Patent Office Branch, New Delhi-
110005.

2 Claims

A process for the preparation of a pyrimidinedione homocarbocyclic nucleoside of the formula (1) comprising reacting a pyrimidinedione derivative of the formula(a) with a cycloalkyl or cycloalkenyl derivative of the formula (b) in a solvent selected from dimethylformamide, ethanol, acetonitrile and dimethylsulfoxide and in the presence of a base selected from sodium bicarbonate, sodium carbonate, potassium carbonate, sodium hydride, potassium hydride and cesium carbonate,



wherein R₁, R₂ and R₃ represents independently hydrogen atom or C₁-C₄ alkyl, Z represents oxygen atom, sulfur atom or carboxyl group, X represents oxygen atom, n represents an integer of 1-3, (sub) cycloalk(en)yl represents



in which R₄ and R₅ represents independently hydrogen atom, hydroxymethyl, or protected hydroxymethyl with a protecting group selected from benzyl, acetyl, benzoyl, trimethylsilyl, dimethylphenylsilyl and t-butyldimethylsilyl; and represents a leaving group selected from halogen atom, methanesulfonyl, para toluenesulfonyl, benzenesulfonyl and para-nitrobenzenesulfonyl.

(Complete Specification : 58 Pages Drawing Sheet : Nil).

Ind. Cl. : 206 G

186081

Int. Cl.⁴ : H 04B 1/38

AN IMPROVED RADIO TRANSCIEVER APPARATUS.

Applicant : MOTOROLA, INC., A CORPORATION OF STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1303 EAST ALGONQUIN ROAD, SCHAUMBURG, ILLINOIS, 60196, UNITED STATES OF AMERICA.

Inventor(s) : ALANE LEE WILSON-U.S.A., MARK CONARD CUDAK-U.S.A., BRADLEY MICHAEL HIBEN-U.S.A., ERIC FERDINAND ZIOLKO-U.S.A., STEVEN CHARLES JASPER-U.S.A.

Application For Patent No. 1238/Del/91 filed on 16.12.91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

8 Claims

An improved radio transceiver apparatus characterized by; a transmitter (300) that transmits a constant envelope signal, the transmitter (300) comprising :

a Nyquist filter (302);

a differential encoder (303) coupled to an output of the Nyquist filter (302); and

a frequency modulator (351) coupled to an output of the differential encoder (303); and

a receiver (350) that receives both a constant envelope signal and a non-constant envelope signal, the receiver (350) comprising:

a loose intermediate frequency (IF) filter (352) as herein described a frequency demodulator (353) coupled to an output of the loose IF filter (352);

an integrate and dump filter (359) coupled to an output of the frequency demodulator (353); and

a stochastic gradient bit recovery mechanism (361) coupled to an output of the integrate and dump filter (359).

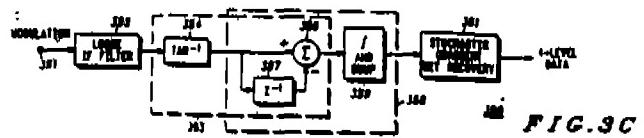


FIG. 3C

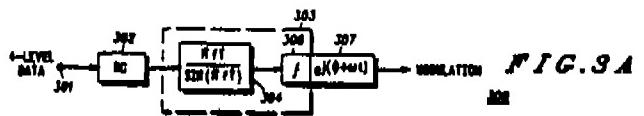


FIG. 3A

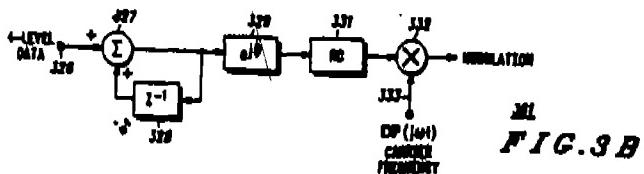


FIG. 3B

(Complete Specification : 25 Pages. Drawing Sheet : 3)

Ind. Cl. : 195 D

186082

Int. Cl.⁴ : F 16 K 17/00

A TEST APPARATUS TO DETERMINE THE SETPOINT OF RELIEF VALUE.

Applicant : DRESSER INDUSTRIES, INC., A DELAWARE CORPORATION, OF 1600 PACIFIC AVENUE, DALLAS TEXAS 75201, UNITED STATES OF AMERICA.

Inventor(s) : ROGER DALE DANZY-U.S.A.

Application for Patent No. 169/Del/92 filed on 28-2-92.

Appropriate Office for Opposition (Proceeding Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5

5 Claims

A test apparatus (30) to determine the set point of a relief valve operably connected to a source (v) of fluid line, said pressure relief valve (1) having a fluid chamber (17) a fluid and having a main piston (16) disposed between said fluid line and said fluid chamber, said pilot having a pilot valve head (24) disposed between said trapped fluid and a pilot venting passage (23), said pilot valve head (24) being shiftable to vent trapped fluid through said pilot venting passage (23) in response to the application of a predetermined line fluid pressure to said pilot by line fluid communicated to said pilot through a pilot fluid inlet passage, said main piston (16) being shiftable to vent line fluid through an exhaust passage (14) in said pressure relief

valve (1) in response to said venting of said trapped fluid, the improvement comprising :

a source (32) of test fluid at a test fluid pressure, said test fluid pressure being at least equal to the rated opening pressure of said pressure relief valve (1);

a test valve (40) having a cylinder bore (42) and a piston (44) non-sealably mounted in said cylinder bore (42) intermediate the ends of said cylinder bore (42);

means connecting one end of said cylinder bore (42) to said test pressure source (32);

a test line (46a) having two branches (46b & 46c);

means connecting the other end of said cylinder bore (42) to said test line (46a);

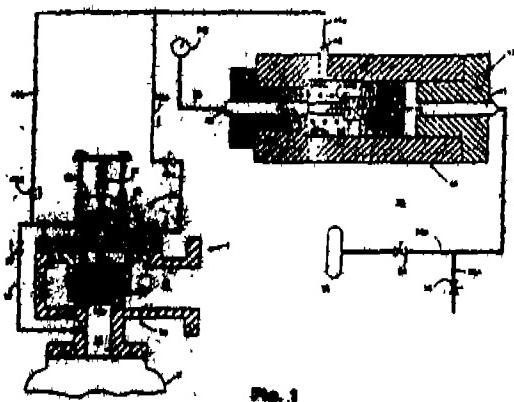
means for connecting one of said test line branches (46b) to said pilot fluid inlet passage;

means for connecting one of said test line branches (46c) to said fluid pressure chamber (17);

a pressure gauge (pg);

means for connecting said pressure gauge (pg) to said other end of said cylinder bore (42), whereby the shifting of said pilot valve head (24) by said test fluid pressure communicated to said pilot through said one test line branch (46b) initiates venting from said fluid chamber (17) of test fluid communicated to said fluid chamber (17) through said other test branch line (46b) and thereby produces substantial test fluid flow around said piston (44) to generate a pressure force on said piston (44) to move said piston (44) toward said other end of said cylinder bore (42); and

valve means operable by said piston (44) movement to trap the fluid pressure supplied to said pressure gauge (pg), thereby producing an indication of the fluid line pressure required to open said pilot (20).



(Complete Specification 12 Pages.

Drg. Sheet 1)

Ind. Cl. : 65A,

186083

Int. Cl. : F03G 7/02.

AN EXTENSIVE PHOTOVOLTAIC ARRAY.

Applicant : ELECTRIC POWER RESEARCH INSTITUTE, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF WASHINGTON, UNITED STATES OF AMERICA, OF 3412, HILLVIEW AVENUE, P.O. BOX-10412, PALO ALTO, CALIFORNIA 94303, UNITED STATES OF AMERICA.

Inventor : RICHARD DANIEL CUMINGS, U.S.

Application for Patent No. 305/Del/92 filed on 7/4/92.

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

29 Claims

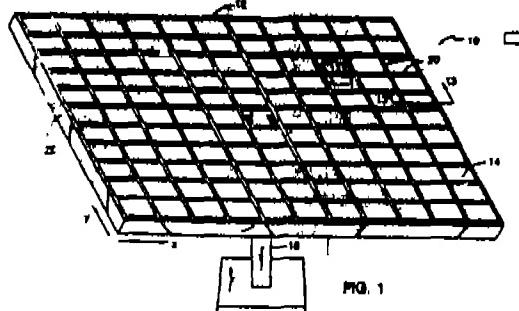
An extensive photovoltaic array (10) for generating electric power from solar radiation as in a power plant, comprising :

an extensive unitary structural grid (74) having substantial extent in both x and y directions and supported on a pedestal (16), said unitary structural grid (76) being directly attached to said pedestal (16), said unitary structural grid (76) having a multiplicity of structural members (88,90) connected to one another at angles and bounding spaces therebetween, said structural grid (76) having a depth sufficient to provide structural rigidity to said photovoltaic array,

a large multiplicity of lens assemblies (14), each (14) comprised of at least one lens, directly supported by structural members (88,90) of said unitary structural grid (76), said lens assemblies (14) closing the upper side of said unitary structural grid (76) all other sides of said unitary structural grid (76) being closed by a plurality of enclosure plates (68, 70) directly supported by said structural members (88,90) of said unitary structural grid (76) in a manner such that at least a portion of said unitary structural grid (76) is enclosed within a space between said plates (68, 70) and said lens assemblies (14), and

a plurality of solar cells (38) located within said space between said plates (68, 70) and said lens assemblies (14) and in which at least a portion of said unitary structural grid (76) is enclosed and positioned to receive solar radiation that passes through respective lenses of said lens assemblies (14),

Whereby said lens assemblies (14), said structural members (88, 90) of said structural grid (76), said solar cells (38), and said enclosure plates (68, 70) have an integrated relationship.



(Complete Specification 41 Pages.

Drawing Sheets 5)

Ind. Cl. : 84B.

186084

Int. Cl.⁴ : C 10 L 1/02.

AN IMPROVED PROCESS FOR THE PRODUCTION OF HIGH CONCENTRATION COAL-WATER MIXTURE FUEL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : TARUN KANTI BHOWMIK-INDIA, MITHILESH PRASAD-INDIA, SANTOSH KUMAR CHANDA-INDIA, SATINATH MAZUMDAR-INDIA AND REZAUL HAQUE-INDIA.

Application for Patent No. 416/Del/1992 filed on 15th May 1992.

Complete left after Provisional Specification filed on 10-6-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

10 Claims

An improved process for the production of high concentration coal-water mixture fuel which comprises pulverizing by known methods coal/demineralised coal to a size passing 100 per cent through 52 mesh B. S. Sieve (295 microns), out of which 70 to 75 per cent passing through 200 mesh B. S. Sieve (76 microns), exposing the pulverized material to Gamma-irradiation in such a way the absorption of Gamma radiation is in the range of 0.4 to 1.0 MRD, mixing the irradiated material with water under constant stirring at a temperature ranging from temperature to 60°C in the presence of conventional additives selected from wetting agents, dispersants and stabilizers such as herein described or mixture thereof to obtain a slurry.

(Provisional Specification 3-Pages. Drawing Sheets Nil).

(Complete Specification 12 Pages. Drawing Sheet Nil.)

Ind. Cl. : 160 A

186085

Int. Cl.⁴ : B 60 K, 11/00.

A RADIATOR FAN DRIVE FOR VEHICLES.

Applicant : GHANASHYAM SHNKAR TASGAONKAR, AN INDIAN NATIONAL OF E-54, NIRMAL PURI, LAJPAT NAGAR-IV, NEW DELHI-110044, INDIA.

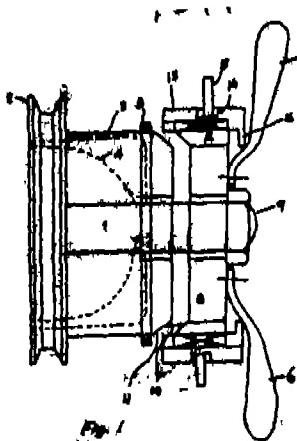
Inventor(s) : GHANASHYAM SHNKAR TASGAONKAR-INDIA.

Application for Patent No. 0427/Del/92 filed on 18.5.92.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A radiator fan drive for providing a selective drive of a radiator fan of a vehicle comprising a hollow V pulley (2) to be mounted on the drive shaft (1) of the vehicle, a fan plate (8) having fan blades (6) secured therewith at the proximal end thereof being mounted slidably on the said shaft (1), a sleeve member (13) with actuating means for causing an axial displacement of said fan plate (8) provided with engaging means on said drive shaft (1), engaging and/or mating surfaces (10 & 11) being provided with said pulley (2) and said fan plate (8) so as to cause a rotation of the fan blade (6) upon actuation of the fan plate (8) towards said pulley (2).



(Complete Specification 8 Pages.

Drawing Sheets 3)

Ind. Cl. : 85 P

186086

Int. Cl.⁴ : F 27 B, 1/00.

TEMPERATURE MEASURING APPARATUS FOR A REDUCTION SHAFT FURNACE.

Applicant : VOEST-ALPINE INDUSTRIEANLAGENBAU GMBH, OF 44, THURMSTRASSE, A-4020 LINZ, AUSTRIA, AN AUSTRIAN COMPANY.

Inventor(s) : LEOPOLD WERNER KEPPLINGER-AUSTRIA, WILHELM SCHIFFER-AUSTRIA, WILHELM STASTNY-AUSTRIA, BERNHARD RINNER-AUSTRIA.

Application For Patent No. 0458/Del/92 filed on 27-5-92.

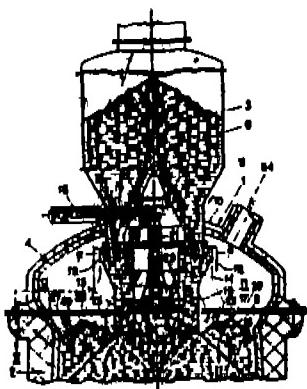
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

11 Claims

Temperature measuring apparatus for reduction shaft furnace for the direct reduction of metallic ores, comprising a shaft (2) which in its upper end region has gas exhaust means, (24) charging means (5) for continuously charging bulk material and having a plurality of stationary charging (9, 91) tubes to which mouth pieces (13, 13) are associated within the upper end region of the shaft (2) for the formation of conical piles (16) located in the shaft, (2) as well as

several temperature measuring means (25) fixedly mounted externally of the charging tubes (9, 9) in a cross-sectional plane (Q) on various diameter lines in the upper end region of the shaft (2) characterized in that the temperature measuring means (25) are provided above the bulk material for measuring the temperature of the gas emerging from the bulk material on a plurality of sites distributed over the free cross-section of the shaft (2) at various distances from the shaft (2) center, and that for a temperature-dependent control of the introduction of the bulk material, the mouth pieces (13, 13) are either displaceable in the radial direction relative to the shaft (2) cross-section by actuation means (18, 22) or displaceable in terms of height by actuation means or selectively lockable by actuation means.

FIG. 1



(Complete Specification 17 Pages. Drawing Sheets 5)

Ind. Cl. : 128A 186087

Int. Cl.⁴ : A 41B 13/02.

A 41B 9/00.

AN ABSORBENT ARTICLE WITH DUAL FASTENING SYSTEM

Applicant : THE PROCTER & GAMBLE COMPANY,
A CORPORATION ORGANIZED AND EXISTING
UNDER THE LAWS OF THE STATE OF OHIO, UNITED
STATES OF AMERICA OF ONE PROCTER & GAMBLE
PLAZA, CINCINNATI, STATE OF OHIO, UNITED
STATES OF AMERICA.

Inventors . DENIS GASTON WELL—U.S.A ,
KENNETH BARCLAY BUELL—U.S.A , SANDRA
HINTZ CLEAR—U.S.A , DANIELIA THREASE
FALCONE—U.S.A.

Application for Patent No 494/Del/92 filed on 11.6.92.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972) Patent Office Branch, New Delhi-
110005.

12 Claims

an absorbent article with dual fastening system having longitudinal edges (62) end edges (64) a first waist region (56) second waist region (58) opposed to said first waist region, an outer surface (52) and an inner surface (54) comprising

a containment assembly (22) having an outer covering layer and an absorbent core having side edges and waist

edges, preferably said containment assembly comprising a liquid pervious topsheet (24) a liquid impervious backsheet (26) joined to said topsheet and an absorbent core (28) positioned between said topsheet and said backsheet,

an elasticized waistband (34) disposed longitudinally outwardly from and along a portion of said waist edge of said absorbent core in said first waist region (56) being elastically extensible in at least the lateral direction, and

a dual tension fastening system (36) disposed on the absorbent article wherein said dual tension fastening system comprises

(i) a primary fastening system (38) for providing a side closure for the absorbent article by maintaining said first waist region and said second waist region in an overlapping configuration such that lateral tension is maintained around the circumference of the absorbent article to maintain the absorbent article on the wearer, comprising:

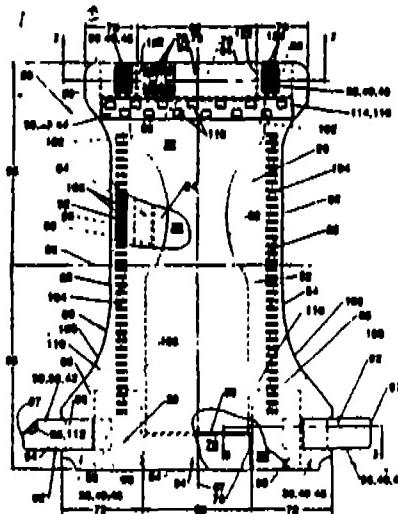
(a) a securement member (42) disposed adjacent each of said longitudinal edges in said second waist region, and

(b) at least one landing member (44) disposed in said first waist region, said landing member being engageable with said securement members, and

(ii) a waist closure system (40) for providing a variable positioning, passively activated waist closure for the absorbent article that dynamically maintains/creates lateral tension through at least a portion of said elasticized waistband (34) comprising:

(a) at least one first attachment (46) component disposed in said first waist region, said first attachment component(s) being positioned so as to be longitudinally aligned with said elasticized waistband (34) and

(b) at least one second attachment (48) component disposed in said second waist region, said second attachment component being engageable with said first attachment component so that when primary closure is formed, said second waist region overlaps said first waist region such that said second attachment component engages said first attachment component(s) at least two anchor zones (112) longitudinally aligned with said elasticized waistband so as to dynamically maintain/create lateral tension through at least a portion of said elasticized waistband.



(Complete Specification 69 Pages Drawing Sheets 10)

Ind. Cl. : 195 C D.

186088

Int. Cl.⁴ : F 16 K 21/00.**A FUEL BURNING LIGHTER.**

Applicant : MINITEK FEINME-CHANISCHE PRODUKTE GESELLSCHAFT M.B.H. OF DRASCHESTRASSE 31, VIENNA, AUSTRIA A-1232.

Inventors : FRIEDRICH SCHACHTER—Austria and MICHEL DOUCET—France.

Application for Patent No. 710/Del/92 filed on 12-08-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

24 Claims

A fuel burning lighter (10) which comprises :

(a) a fuel-reservoir (16) :

(b) axially movable, elongated, burner (22) defining an inner opening (38) for supplying said fuel;

b-i) said burner (22) having two end portions, one of said end portions providing plug (32) and communicating with said fuel reservoir (16), the other of said end portions comprising a burner nozzle (28);

b-ii) said nozzle (28) provided with fuel supply means through burner inner opening (38)

(c) valve (12) positioned between said fuel reservoir (16) and said burner (22), said valve comprising;

c-i) valve body (30) comprising a substantially cylindrical opening having one end portion defining a valve seat (46), said seat comprising a substantially cylindrical inner wall surface (30a) and an annular bottom wall (42) extending inwardly of said wall surface, said valve body (30) containing an orifice (44), said orifice communicating with said fuel reservoir (16);

(d) annular resilient seal (50) having a central opening and being positioned between said plug (32) and said valve seat (46), said annular resilient seal (50), said plug (32) and said valve seat (46), said annular resilient seal (50), said plug (32) and said valve seat (46) being adapted to provide fuel sealing contact.

d-i) between said plug (32) and said annular resilient seal (50) and

d-ii) between said inner wall surface (30a) and said annular resilient seal (50) and

d-iii) between said bottom wall (42) and said annular resilient seal (50) when said plug (32) is moved to a first position in which said valve (12) is in a closed position;

(e) means (52) associated with said burner (22) and said plug (32) to permit passage of fuel from said supply of fuel (16) to said burner (22) when said plug (32) is moved away from said annular valve seat (46) in a second position in which said valve (12) is in an open position;

characterized in that :

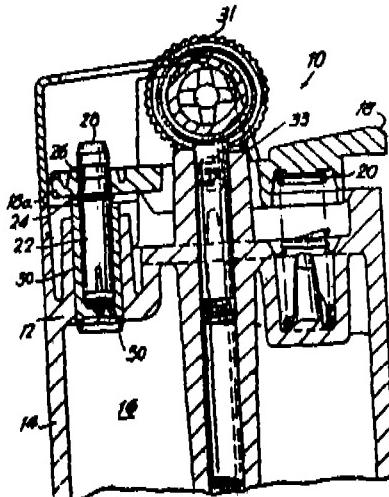
said plug (32) has a disc-shaped annular head (34), a downwardly extending guide shaft (36) and an upwardly extending shaft (40);

(f) said disc-shaped annular head (34) having an outer diameter which is smaller than the inner diameter of the valve body (30);

(g) said guide shaft (36) comprising a substantially cylindrically portion positionable within said central opening of said annular resilient seal (50), providing fuel sealing contact with said annular resilient seal (50) at said central opening when said plug (32) is moved to said first position in which said valve (12) is in said closed position;

(h) said disc-shaped annular head (34) providing axial fuel sealing contact (E-2) with said annular resilient seal (50) when said plug (32) is moved to said first position in which said seal is in said closed position;

(i) said plug (32) being connected to said axially movable burner (22) by said upwardly extending shaft (40).

**FIG.1**

(Complete Specification : 30

Drawing Sheets : 5

Ind. Cl. : 43 F

186089

Int. Cl.⁴ : H 04 N 9/79, G 11 B 15/00

A REMOTE CONTROL APPARATUS FOR USING COMPRESSED CODES FOR PROGRAMMING A VIDEO RECORDER.

Applicant : GEMSTAR DEVELOPMENT CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF CALIFORNIA, UNITED STATES OF AMERICA, OF 135 NORTH LOS ROBLES AVENUE, SUIT 870, PASADENA, CALIFORNIA 91101, UNITED STATES OF AMERICA.

Inventors : HENRY CHE CHUN YUEN—U.S.A. and DANIEL SAI WAH KWOH—U.S.A.

Application for Patent No. 735/Del/92 filed on 19-08-92.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

5 Claims

A remote control apparatus for using compressed codes for programming a video recorder comprising :

an input (386) for receiving a compressed code;
a microprocessor (380), connected to the input for decoding said compressed code into channel, date, time and data length, means for transmitting (390) commands to control recording, by a video recorder, of video signals identified by said channel, date, time and data length, the means for transmitting being connected to the microprocessor said means for transmitting comprising a rear transmission means and a lowered transmission means wherein said means for transmitting transmits simultaneously in at least two of the forward, backward, left, right, downward and upward directions said remote control apparatus being optionally provided with a mounting stand.

(Complete Specification : 55 Pages Drawing Sheets : 9)

Ind. Cl. : 125 B. 186090

Int. Cl. : G01F 1/00.

A GAS FLOW METER FOR MEASURING THE RATE OF GAS FLOW.

Applicant : SAILENDRA NATH ROY CHAUDHURY, AN INDIAN NATIONAL OF 966, SECTOR-VIII, R. K. PURAM, NEW DELHI-110066.

Inventor : SAILENDRA NATH ROY CHAUDHURY (India).

Application for Patent No. 1059/Del/92 filed on 16-11-92.

Complete left after Provisional Specification filed on 21-1-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A gas flow meter for measuring the rate of gas flow in a gas pipe line comprising a bottom casing (1) adapted to

be secured with an upper casing (4) through a gear box casing (2), a spindle (8) having a turbine rotor secured at the bottom end thereof being provided in said lower casing (1) to be rotated by the gas flow in said bottom casing (1), a gear (12) secured towards the top end of said spindle (8) being provided to be engaged with a gear train (8F) disposed into said gear box casing (2), the top gear (f) of said gear train being connected with a main gear (13) mounted on a second spindle (14) extended into said upper casing (4), a gear (17) being provided at the top end of said second spindle (4) to engage with a bevel gear provided for transferring the rotatory motion to an indication means (6) provided in the upper casing (4) of the said flow meter for indicating the flow rate of the gas.

(Provisional Specification : 4 Pages Drawing Sheets : 2)

(Complete Specification : 8 Pages Drawing Sheets : 2)

Ind. Cl. : 108C-3 186091

Int. Cl. : C 21D - 7/00 +C 22C - 38/00

PROCESS FOR PHOSPHATING STEEL PARTS TO IMPROVE CORROSION AND WEAR RESISTANCE.

Applicant : CENTRE STEPHANOIS DE RECHERCHES MECANIQUES HYDROMECHANIQUE ET FROTTEMENT A FRENCH COMPANY, OF RUE BENOIT-FOURNEYRON, ZONE INDUSTRIELLE SUD, 42160 ANDREZIEUX-BOUTHEON, FRANCE.

Inventors : JOSEPH WAWRA—FRANCE and JEAN-MARC POIRSON—FRANCE.

Application for Patent No. 85/Del/93 filed on 1-2-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

Process for phosphating steel parts to improve corrosion and wear resistance, in which the parts undergo a preliminary surface treatment, and thereafter brought into contact with a solution containing, essentially, protons, phosphate anions and cations selected from Ca^{2+} , Sn^{2+} and Mn^{2+} , wherein the preliminary treatment is carried out in a salt bath of the kind as herein described in the presence of sulphur-containing compounds causing the formation of a layer of iron compounds with at least one element selected from carbon and nitrogen, and reciprocal thermal diffusion of the compounds of the layer and of the iron in the part, and optionally a second sulphiding step in a manner such as herein described so that the surface of the part comprises, per 1000 atoms, at least 150 atoms of free iron and 5 to 150 atoms of sulphur, and has a porosity defined by an actual surface area to macroscopic surface area ratio of at least 20.

(Complete Specification : 15 Pages Drawing Sheet :Nil)

Ind. Cl. : 32A₂

186092

Int. Cl.⁴ : C09 62/447.

A COMPOSITION USEFUL FOR THE COLOURATION OF CELLULOSIC MATERIAL.

Applicant : ZENECA LIMITED, A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : BRIAN LAMBLE—ENGLAND, AIDAN LAVERY—ENGLAND AND JOHN ANTHONY TAYLOR—ENGLAND.

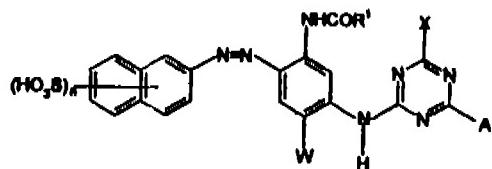
Application for Patent No. 108/Del/93 filed on 09th February, 93.

Convention Application No. 9204905.5/UK/Date 06-03-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(8 Claims)

A composition useful for the colouration of cellulosic material comprising first and second reactive azo dyes each of which, in the free acid form, is of Formula I :



wherein :

R¹ is NH₂ or alkyl;

W is H, alkyl or alkoxy;

X is a labile atom or group;

A is -N-Z;

|
Y

Y is H or alkyl;

Z is an optionally substituted phenyl group, and

n has a value of 1 to 3;

the first and second reactive azo dyes being present in the composition in a weight ratio of first dye : second dye of from 10 : 90 to 90 : 10; and

wherein :

(i) in each of the first and second reactive azo dyes, R¹ is NH₂ when W is H; and

(ii) the particular groups defined by A in the first and second dye respectively are different from one another in that at least one of the variables Y and Z in the first dye is different from that in the second dye.

(Complete Specification : 17 Pages Drawing Sheets : Nil)

Ind. Cl. : 177A, 180

186093

Int. Cl.⁴ : F 23C 9/00

A DEVICE FOR UTILISING THE RESIDUAL HEAT OF FLUE GAS.

Applicant : BALCKE-DURR AKTIENGESELLSCHAFT, A GERMAN COMPANY, OF HOMBERGER STRASSE 2, D-4030 RATINGEN 1, GERMANY.

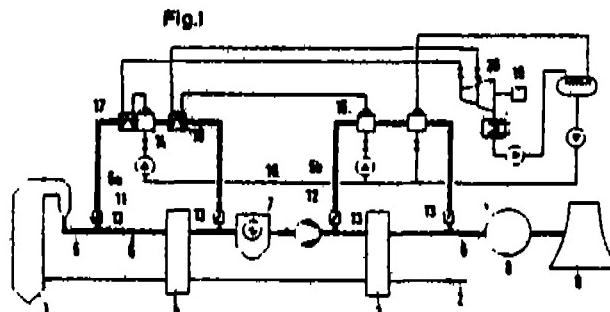
Inventor(s) : MARTIN KIENBOCK—GERMAN MANFRED KEHR—GERMAN.

Application for Patent No. 202/Del/93 filed on 3.3.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(10 Claims)

A device for utilizing the residual heat of flue gas of a power plant comprising at least one turbine, especially the heat surplus in the flue gas which is not needed in operating a flue gas desulphurisation plant, with an air pre-heater and an electrostatic precipitator, characterized in that two air pre-heaters (3, 4) are used for the air pre-heating, one of which is disposed upstream and one downstream of the electrostatic precipitator (7) in the main line of the flue gas (6), and that at least upstream of the air pre-heater (4) in the main line of the flue gas (6) upstream of the electrostatic precipitator (7) a by-pass line (11) is branched out for a partial flow of flue gas (5a) corresponding to the heat surplus and with a respective steam generator (14; 15) being arranged in said at least one by-pass line (11).



(Complete Specification : 13 Pages Drawing Sheets : 2)

Ind. Cl. : 143D₂

186094

Int. Cl.⁴ : A 47F 1/04.

A STORING AND DISPENSING DEVICE FOR PRODUCTS PACKED IN A SEALED POUCH.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventor(s) : JOSEPH FERNAND DEFLANDER—BELGIUM, ROBERT CORNEEL—BELGIUM, MARIELLE JEANNING C. STULENS—BELGIUM.

Application for Patent No. 237/Del/93 filed on 12.3.93.

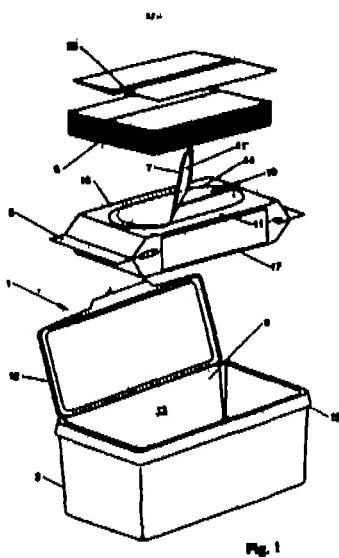
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(17 Claims)

A storing and dispensing device for a product packed in a sealed pouch, comprising;

a container made of relatively rigid material having a dispensing opening covered by a lid, the container being in its closed position sufficiently air-tight to prevent free exchange of air between the container's contents and the ambient, a topface having opening means comprising a pre-formed ambient, a topface having opening means comprising a pre-formed dispensing aperture sealed by a cover member which is removable from the dispensing aperture for manually opening the pouch, the said pouch being, after opening thereof, storable inside the container

wherein the said container is provided with an anti-slip support for exerting a force on the container for preventing movement of the container in a direction perpendicular and/or parallel to a supporting surface on which the container is placable.



(Complete Specification : 20 Pages Drawing Sheets : 5).

Ind. Cl. : 206E. 186095

Int. Cl.⁴ : H 04L 17/00.

RADIO COMMUNICATION DEVICE.

Applicant : MOTOROLA, INC., A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1303 EAST ALGONQUIN ROAD, SCHAUMBURG, ILLINOIS, 60196, UNITED STATES OF AMERICA.

Inventor(s) : ERIC STEVEN GOLDSMITH—U.S.A., JEFFREY WAYNE KLINGBERT—U.S.A., RONALD LEE BANE—U.S.A., CHARLES MARVIN EHMANN—U.S.A.

Application for Patent No. 269/Del/93 filed on 18.3.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(2 Claims)

Radio communication device (100) comprising :

a control sub-section (150) coupled to an external option sub-section (180);

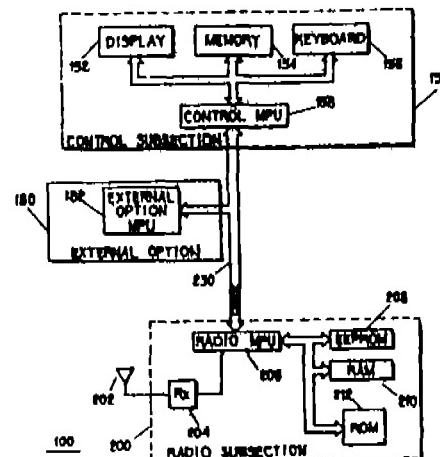
said control sub-section and external option sub-section being coupled to a radio sub-section (200) by a bus (230);

said control sub-section comprising a microprocessor unit (158), coupled to a display (152), a keyboard (156) and a memory component (154);

said external sub-section comprising a microprocessor unit (182);

said radio sub-section comprising a microprocessor (206) and memory components (208, 210 and 212), said microprocessor being coupled to said memory components by a bus (214).

FIG. 1



(Complete Specification : 31 Pages Drawing Sheets : 11).

Ind. Cl. : 50F.

186096

Int. Cl.⁴ : F24F 5/00.

AN AIR CONDITIONER.

Applicant : SHERJANG SINGH SIDHU, AN INDIAN NATIONAL OF PLOT 23, SECTOR 6, FARIDABAD-121001, HARYANA, INDIA.

Inventor : SHERJANG SINGH SIDHU (INDIA).

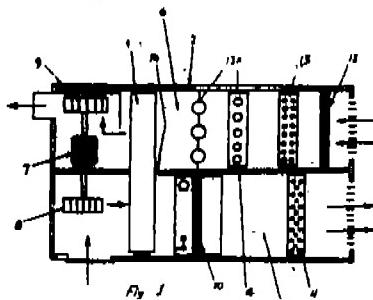
Application for Patent No. 276/Del/93 filed on 22.3.93.

Complete left after Provisional Specification filed on 22.6.94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(4 Claims)

An air conditioner comprising a rotatable member having a plurality of axial air flow passages 3 therethrough disposed in a housing 2 towards the back end thereof, a stationary separator 4 being provided to divide said housing 2 into the first and second flow paths 5 and 6, a motive source 7 being provided at the back end for rotating a blower 8 disposed into said first flow path 5 for drawing atmospheric air into said first flow path 5 for cooling purposes, and an exhaust 9 disposed into said second flow path 6 for drawing air from the room, air cooling means such as wet pad 10 and/or cooling coils 11 provided towards the front end of said first flow path 5, condenser coil 13 provided in said second flow path 6 and heating means 13A being provided into said second flow path 6.



(Provisional Specification : 6 Pages

(Complete Specification : 9 Pages Drawing Sheet 1).

Ind. Cl. : 84C. 186097

Int. Cl.⁴ : C 10L 5/00, 5/02.

A PROCESS FOR PREPARING SMOKELESS FUEL FROM HIGH SULPHUR COAL/COALFINES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) : BIMALA PRASAD BARUAH—INDIA, MODON MOHAN BORA—INDIA, RAMESH CHANDRA BORA—INDIA, LAKHIMI BORA—INDIA, JADAVANANDA BORGOHAIN—INDIA.

Application for Patent No. 298/Del/93 filed on 24.3.93.

Complete left after Provisional Specification filed on 24.6.94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(5 Claims)

A process for preparing smokeless fuel from high sulphur coal/coalfines, which comprises mixing powdered

coals/coal fines with lime powder in Ca/S molar ratio in the range of 1.5 to 3.0, adding and mixing 10 to 15 wt % binder, adding and mixing 10 to 15 wt % of water to obtain a moistened mixture briquetting the moistened mixture by known methods such as herein described air drying the briquettes for a period of 2 to 3 hours, carbonising the dried briquettes at a temperature in the range of 500 to 600°C for a period of 1 to 1.5 hours, separating and collecting smokeless fuel.

(Provisional Specification : 6 Pages Drawing Sheet Nil).

(Complete Specification : 17 Pages Drawing Sheet Nil).

Ind. Cl. : 206

186098

Int. Cl.⁴ : G 06F 13/38.

A BUS DEVICE FOR TRANSFERRING DATA BETWEEN COMPUTERS AND PERIPHERAL DEVICES.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATES OF NEW YORK, U.S.A., OF ARMONK, NEW YORK 10504, U.S.A.

Inventor(s) : DON STEVEN KEENER—U.S., ANDREW BOYCE MCNEILL—U.S., THOMAS HAROLD NEWSOM—U.S., KEVIN LEE SCHEIERN—U.S., RICHARD W. VOORHEES—U.S., EDWARD IRVING WACHTEL—U.S.

Application for Patent No. 363/Del/93 filed on 13.4.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

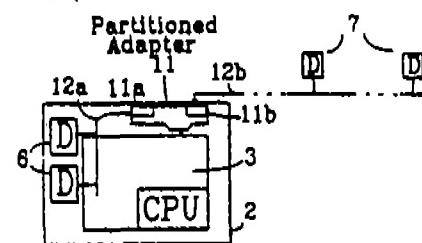
(7 Claims)

A bus device for connecting a computer to peripheral devices in various configurations that may potentially interfere with the integrity of the operation of the computer, characterized in that

the bus in the said device is physically and electrically partitioned into multiple segments by an adapter means and that,

each segment is isolatable from the device by circuit means contained in said adapter means, whenever one or more devices in any of the said segments operates in the manner incompatible with said computer device.

Figure 2



(Complete Specification : 24 Pages Drawing Sheets 6)

Ind. Cl. : 201 C
Int. Cl.⁴ : C 02F 1/72, 1/74

"A PROCESS FOR PRODUCING SULPHIDE FREE AQUEOUS STREAM".

Applicant : UOP, A COMPANY ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, ITS PRINCIPAL OFFICE LOCATED AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor(s) : RICHARD BUGENE MARINANGELI—U.S.A. TOM NELSON KALNES—U.S.A.

Application For Patent No. 447/Del/93 Filed on 3.5.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(10 Claims)

A process for producing sulphide free aqueous stream containing a water-soluble, inorganic sulfide compound comprising contacting said aqueous stream and oxygen with a metallic phthalocyanine oxidizing catalyst at oxidation conditions selected to convert at least 95 wt % of said inorganic sulfide compound to the corresponding sulfate and recovering a substantially sulfide-free treated aqueous stream, by contacting said aqueous stream with said oxygen at a pH less than 12 and at an oxygen to sulfur molar ratio greater than 5 : 1 and at a temperature ranging from 125°C to 175°C.

(Complete Specification 16 Pages. Drawing Sheet Nil)

Ind. Cl. : 6B₂ 186100

Int. Class⁴ : B 01 D 47/00.

DEVICE FOR THE PRODUCTION OF CLEAN AIR FROM A MIXTURE OF STEAM AND AIR CONTAMINATED WITH SULPHUROUS GASES.

Applicant : PAUL WURTH S.A., A COMPANY ORGANISED UNDER THE LAWS OF GRAND DUCHY OF LUXEMBOURG, OF 32 RUE D' ALSACE, L-1122 LUXEMBOURG, GRAND DUCHY OF LUXEMBOURG.

Inventors : ERNEST FABER, ROMAIN FRIEDEN, MARC SOLVI, LOUIS SCHMIT & LEON ULVELING (LUXEMBOURG).

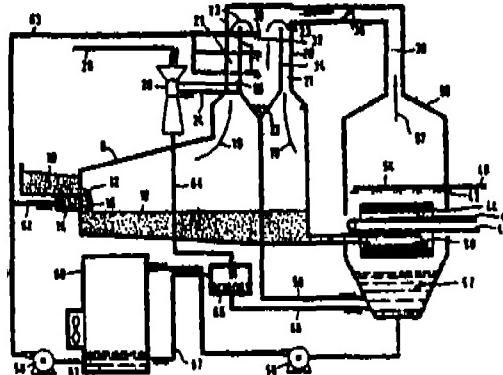
Application for Patent No. 493/Del/93 filed on 14-5-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-10005.

(5 Claims)

Device for the production of clean air from a mixture of steam and air contaminated with sulphurous gases to provide clean air, said sulphurous gases generated during the production of blast furnace slag granulate in a granulation plant (8), said device being characterized by a closed tower

(20) located above said granulation plant (8), said tower for collecting said mixture of steam, air and sulphurous gases from said granulation plant (8), at least one oblong vessel (34) closed at its lower end (22) and open at its upper end, said oblong vessel (34) located vertically inside said closed tower (20), said vessel (34) having provided therein jets (30), said jets (30) being connected to a distribution conduit (63) for delivering alkaline water to said jets (30), lower end (22) of said vessel (34) being connected to at least one flow-conduit (58) for removing scrubbing water and condensate from said vessel (34), at least one suction conduit (24) being connected to said vessel (34) for removing uncondensed gases, said suction conduit (24) being connected to a lower part of said vessel (34) and also connected to a variable suction pump (26) for removing said uncondensed gases including clean product air and to maintain a partial vacuum in said vessel (34).



(Complete Specification 14 Pages.

Drg. Sheet 1)

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 167423 granted to Joshi Nandakumar Ramachandra for an invention relating to phase correlated integration type electronic analog to digital conversion.

The Patent ceased on the 19.2.2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 31-3-2001.

Any interested person may give notice of opposition to the restoration by leaving a notice of Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th & 7th floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 16.8.2001 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the fact upon which he based his case and the relief he seeks, shall be filed with the notice or within two month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 167424 granted to Joshi Nandakumar

Ramachandra for an invention relating to multi-channel electronic analog to digital convertor

The Patent ceased on the 19-2-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 31-3-2001

Any interested person may give notice of opposition to the restoration by leaving a notice of Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M S O Building, 5th, 6th & 7th floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 16-8-2001 under Rule 69 of the Patents Rules 1972 A written statement, in triplicate, setting out the nature of the opponents interest, the fact upon which he based his case and the relief he seeks, shall be filed with the notice or within two month from the date of the notice

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 170990 granted to S S K Mandapam for an invention relating to a device for oscillating ceiling fans

The Patent ceased on the 21-3-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9-6-2001

Any interested person may give notice of opposition to the restoration by leaving a notice of Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M S O building, 5th, 6th & 7th floor, 234/4, Acharya Jagadish Bose Road, Calcutta 700020 on or before the 16-8-2001 under Rule 69 of the Patents Rules 1972 A written statement, in triplicate, setting out the nature of the opponents interest, the fact upon which he based his case and the relief he seeks, shall be filed with the notice or within two month from the date of the notice

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 178078 granted to Khan Mubeen Ahmed for an invention relating to drive system for bicycle and bicycle having the same drive

The Patent ceased on the 1-3-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 31-3-2001

Any interested person may give notice of opposition to the restoration by leaving a notice of Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M S O Building, 5th, 6th & 7th floor, 234/4, Acharya Jagadish Bose Road, Calcutta 700020 on or before the 16-8-2001 under Rule 69 of the Patents Rules 1972 A written statement, in triplicate, setting out the nature of the opponents interest, the fact upon which he based his case and the relief he seeks, shall be filed with the notice or within two month from the date of the notice

Notice is hereby given that an application for Restoration of Patent No 178100 dated 23-8-1991 made by Mr V K J Bose on 11-8-2000 has been allowed and said Patent restored

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 183313 granted to Foster Wheeler Energy Corporation for an apparatus for distributing air to a plurality of modules mounted in a furnace

The Patent ceased on the 1-3-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9-6-2001

Any interested person may give notice of opposition to the restoration by leaving a notice of Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M S O Building, 5th, 6th & 7th floor, 234/4, Acharya Jagadish Bose Road, Calcutta 700020 on or before the 16-8-2001 under Rule 69 of the Patents Rules 1972 A written statement in triplicate setting out the nature of the opponents interest, the fact upon which he based his case and the relief he seeks shall be filed with the notice or within two month from the date of the notice

PATENTS SEALED ON 18-5-2001

184891 *D 184892 *D 184893 *D 184894 *D 184895 *D
184896 *D 184897 *D 184898 *D 184899 *D 184902* 184905
184907* 184908 184909 184910* 184912* 184914 184915
184916 184917 184918 184919 184920* 184921 184922 184923*
184924 184925 184926 184927* 184928* 184929* 184930*

KO1-NIL, DEI-25, MUM-NIL, chen-08

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing

D—Drug Patents

F—Food Patents

REGISTRATION OF DESIGN

The following designs have been registered They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act 1911

The date shown in the each entries is the date registration included in the entries

Class 1 No 182481 Crompton Greaves Limited, an Indian Co of I Dr V B Gandhi Marg Mumbai, Maharashtra India "EXHAUST FAN" 29th May 2000

Class 3 No 182110 Phoenix Lamps India Ltd of 59A, Noida Export Processing Zone, Noida Phase-II, Dt Gautam Budh Nagar, U P 201305, an Indian Co "PACKAGING CASE FOR AUTOMOBILES HEAD LAMPS" 13th April 2000

Class 3 No 182196 Samay Electronics Pvt Ltd of M R Industrial Estate, Morbi-Rajkot Highway PO Box No 210 Morbi-383641 Gujarat "CLOCK" 25th April 2000

Class 3 No 182313 Ellora Time Pvt Ltd of Orpat Industrial Estate, Rajkot Highway Morbi-363641, State of Gujarat, India "TELEPHONE" 10th May 2000

Class 3 No 183281 Koninklijke Philips Electronics N V of Groenewoudseweg 1, 5621 B A Eindhoven, The Netherlands (Priority) (U K) "PEDESTAL FOR BLENDER" 29TH JUNE 2000

- | | | | |
|----------|---|----------|---|
| Class 3 | No. 183296 Peacock Industries Limited of Kodiyat Road, Sisarama, P. B. No. 184, Udaipur-313001, Rajasthan, India. "CHAIR". 28th August 2000. | Class 10 | No. 182186. A. C. Footwear So. of WZ-216 Madipur Village, Delhi (India). "SOLE OF FOOTWEAR". 25th April 2000. |
| Class 3 | No. 182179. The Name & Style of Damian of Damian House, 14, Hill Road, Bandra (West), Mumbai-400050, Maharashtra, India. "TABLE TOP". 25th April 2000 | Class 13 | No. 182114. Morarjee Castiglioni (India) Ltd an Indian Co. of Administrative Building, Morarjee Mills, Dr. Ambedkar Road, Parel, Mumbai-400012, Maharashtra, India. "TEXTILES" 13th April 2000. |
| Class 10 | No. 182155. Dhupar Shoe Aid (P) Ltd. an Indian Company, of 7/82, tilak Nagar, Kanpur, (U.P.) India. "SOLE OF FOOTWEAR". 20th April 2000. | | H. D. THAKUR Controller General of Patents Designs & Trade Marks |

